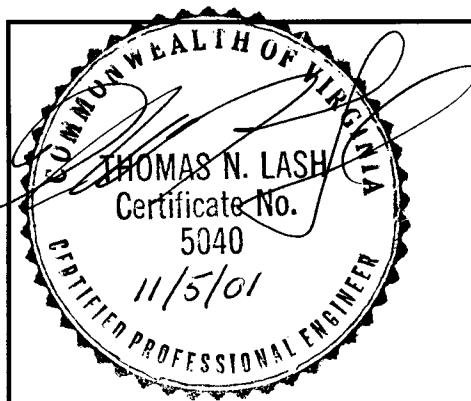



# RESTORATION AND MAINTENANCE OF THE ROBERT F. KENNEDY GRAVESITE


ARLINGTON NATIONAL CEMETERY  
ARLINGTON, VIRGINIA

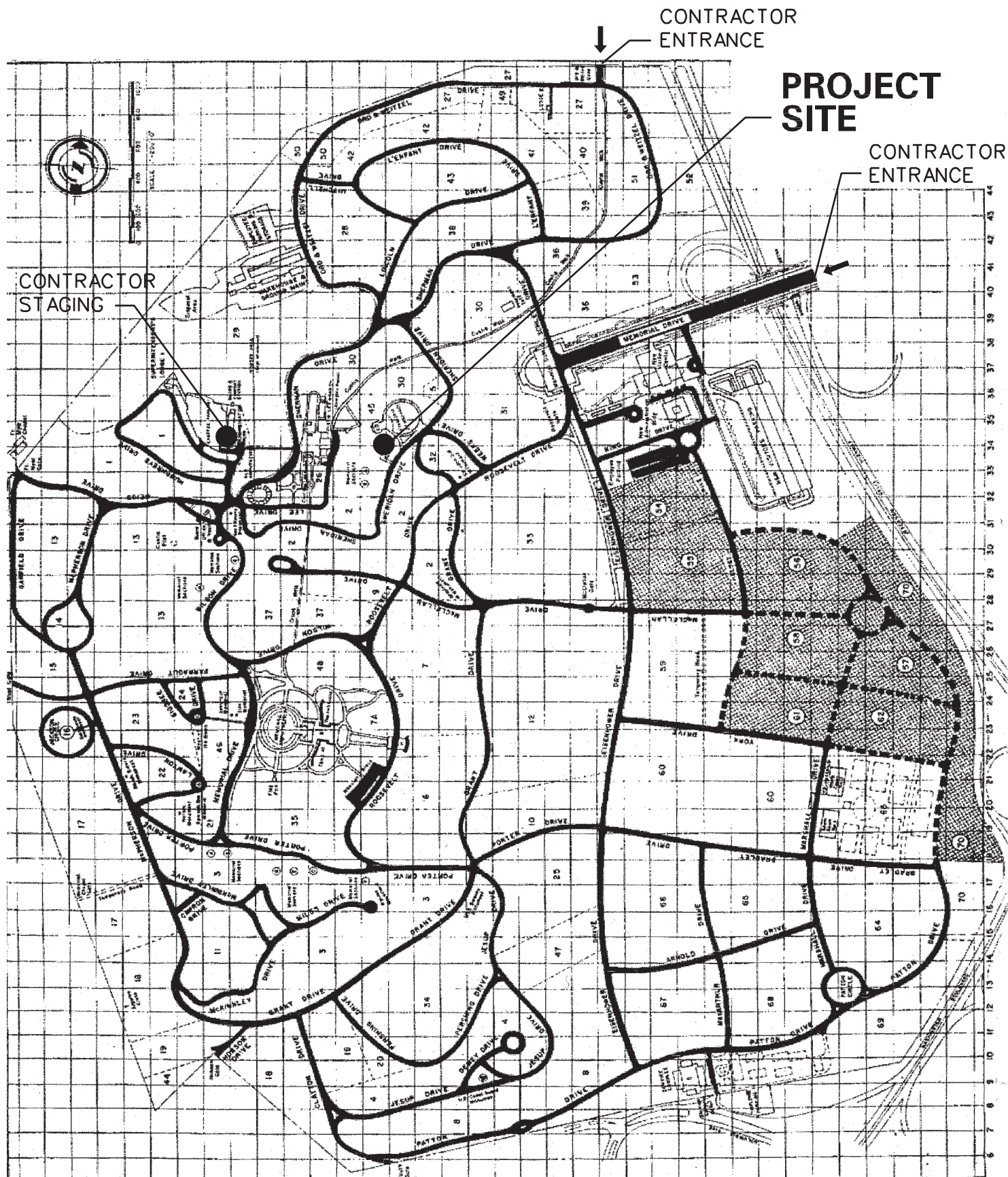
	REVIEWED & COORDINATED <i>[Signature]</i> A/E PRINCIPAL
	SUBMITTED: <i>[Signature]</i> CHIEF, DESIGN MANAGEMENT BRANCH
	RECOMMENDED: <i>[Signature]</i> CHIEF, ENGINEERING DIVISION
	APPROVED: <i>[Signature]</i> COLONEL, C. OF E. DISTRICT ENGINEER

DRAWING NO. <b>F844-51-02</b>	ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE				SCALE: NONE	 <b>US ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT</b>
PLATE NO. <b>1</b>	<b>SIGNATURE PAGE</b>				DRAWN BY: AP	
SHEET NO. <b>SK-G1</b>	MARK	DATE	DESCRIPTION	APPROVED	CHECKED BY: RM	
					DATE: 10/29/01	

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2	SK-G2	DRAWING INDEX
3	SK-G3	RFK GRAVESITE LOCATION MAP
4	SK-C1	SITE DEMOLITION PLAN
5	SK-C2	SITE GENERAL NOTES
6	SK-C3	SITE GENERAL NOTES
7	SK-C4	PAVEMENT PLAN
8	SK-C5	RESET PAVING STONES DETAIL
9	SK-C6	PLAZA PAVING JOINTS REFILLING DETAIL
10	SK-C7	PAVEMENT TRANSITION
11	SK-C8	CURB BLOCK AND PLAZA DRAIN DETAIL
12	SK-C9	BRONZE BARRIER DETAIL
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21	SK-M2	UNDERGROUND TANK PIPING DEMOLITION
22	SK-M3	FLOW DIAGRAM-DEMOLITION
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31	SK-E3	SINGLE LINE DIAGRAM
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DRAWING NO. <b>F844-51-02</b>	ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE <b>DRAWING INDEX</b>				SCALE: NONE	 <b>US Army Corps of Engineers</b> Baltimore District
PLATE NO. <b>2</b>					DRAWN BY: AP	
SHEET NO. <b>SK- G2</b>	MARK	DATE	DESCRIPTION	APPROVED	CHECKED BY: RM	
					DATE: 10/29/01	



DRAWING NO.  
**F844-51-02**

PLATE NO.  
**3**

SHEET NO.  
**SK- G3**

ARLINGTON NATIONAL CEMETERY  
RESTORATION OF RFK GRAVESITE

## RFK GRAVE SITE LOCATION MAP

MARK	DATE	DESCRIPTION	APPROVED

SCALE:  
AS NOTED

DRAWN BY:  
DW

CHECKED BY:  
RM

DATE:  
10/29/01




**US Army Corps  
of Engineers**  
Baltimore District






## NOTES:

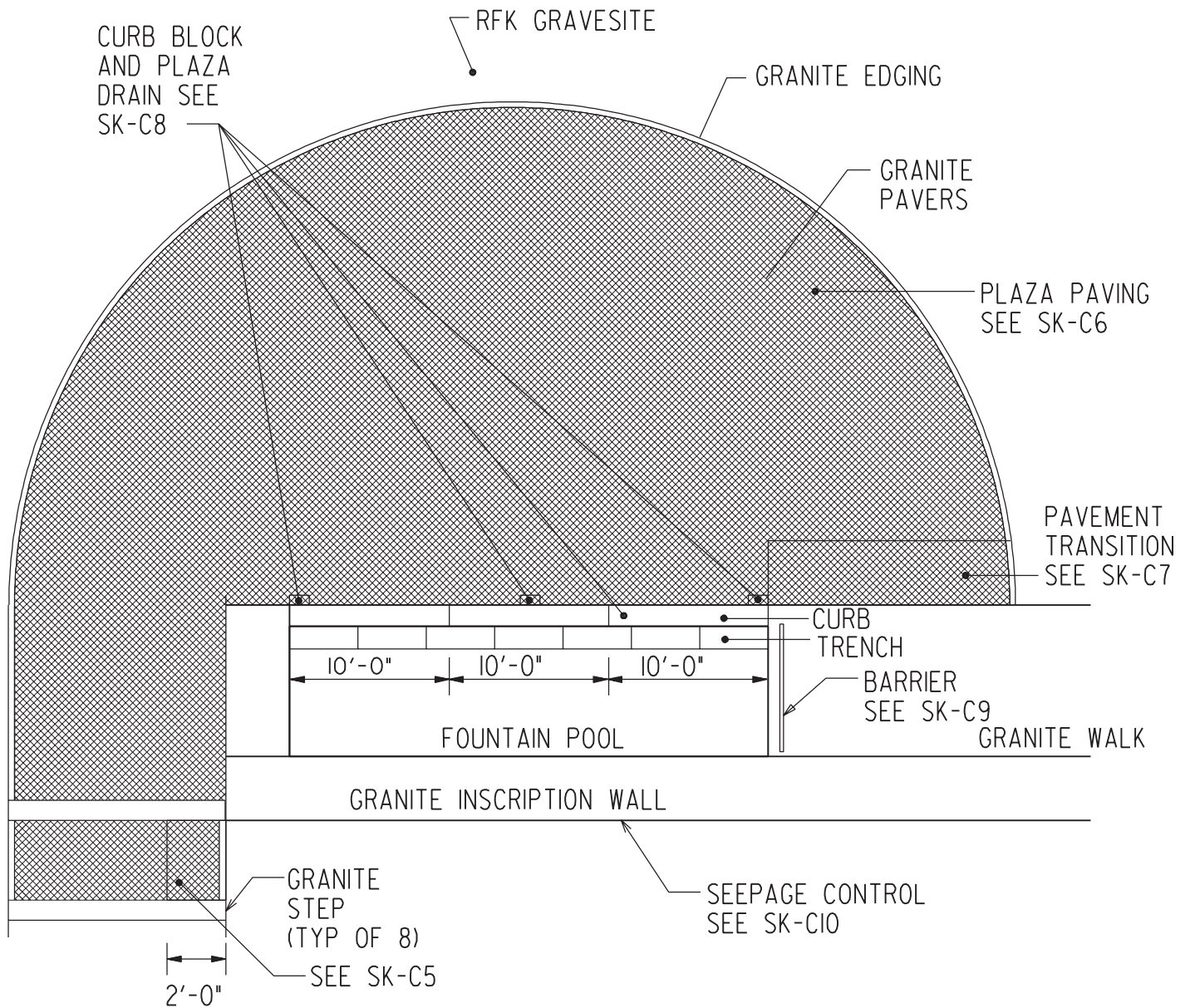
1. THE CONTRACTOR'S ACCESS ROUTE SHALL BE THROUGH THE GATES AS SHOWN ON SK-G3.
2. THE CONTRACTOR WILL BE LIMITED TO TWO VEHICLES ALONG SHERIDAN DRIVE AT ANY ONE TIME. THOSE VEHICLES ARE TO BE PARKED SOUTH OF THE CONSTRUCTION ENTRANCE. ONLY THREE OFF ROAD VEHICLES WILL BE ALLOWED TO REMAIN ON THE SITE. THESE VEHICLES SHALL BE REMOVED DURING THE SPECIAL CEREMONIES TO BE IDENTIFIED AT THE PRE-CONSTRUCTION MEETING. ALL OTHER DELIVERY AND PICKUP VEHICLES SHALL BE LIMITED TO PARKING ON THE STABILIZED CONSTRUCTION ENTRANCE ONLY.
3. THE CONTRACTOR SHALL PROVIDE TRAFFIC/PEDESTRIAN CONTROL PERSONNEL AS NECESSARY TO SAFELY ROUTE PEDESTRIANS THROUGH THE HEAVILY TRAVELED VISITOR ROUTE (SHERIDAN DRIVE).
4. THE CONTRACTOR SHALL KEEP ROADS CLEAN OF ALL DIRT/DEBRIS BY FLUSHING AND BROOMING AS NECESSARY BASED ON THE OPINION OF THE CONTRACTING OFFICER. THE CONTRACTOR SHALL IMMEDIATELY REMOVE FROM ROADS, STREETS, AND WALKWAYS ALL REFUSE, RUBBISH DEBRIS AND SOIL ACCUMULATIONS THEREON BY RAIN, WIND AND SNOW EROSIONS OR BY HIS OWN OPERATIONS. THIS SHALL BE DONE TO PREVENT TRAFFIC HAZARDS OR INTERFERENCE WITH ROAD DRAINS. AGAIN, THE CONTRACTOR SHOULD RECOGNIZE THIS IS A HEAVILY TRAVELED AREA FOR PEDESTRIAN/VISITOR TRAFFIC THAT WILL REQUIRE CLEANING ON DAILY BASIS.
5. THE CONTRACTOR'S STAGING AREA AND PERSONNEL PARKING WILL BE LOCATED AT THE OLD ADMINISTRATION PARKING LOT AS SHOWN ON SK-G3.
6. EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL EXERCISE EXTREME CARE DURING EXCAVATION IN ORDER NOT TO DISTURB OR DAMAGE ANY EXISTING UTILITY.
7. PROVIDE A 1' MIN CLEARANCE AT ALL UTILITY CROSSINGS.
8. ALL UNPAVED AREAS DISTURBED BY THE CONTRACTOR SHALL BE SODDED.
9. REMOVE POSTS, CHAINS, AND SIGN AS NECESSARY AND RE-INSTALL TO MATCH PRE-CONSTRUCTION STATUS.
10. THE CONTRACTOR SHALL ENSURE THAT ANY STRUCTURES SUCH AS GRAVE SITES, TREES, EX. COMMAND POST ETC. SHALL BE LEFT UNDISTURBED AND IN THEIR PRE-CONSTRUCTION STATUS.
11. ALL GRANITE PAVERS REMOVED AND INTENDED FOR RE-USE SHALL BE STORED AT CONTRACTOR'S STAGING AREA. PAVERS SHALL REMAIN IN GOOD CONDITION AND FREE OF CRACKS, CHIPS OR OTHER DAMAGE. DAMAGED PAVERS WILL BE REPLACED AT CONTRACTOR'S EXPENSE.

DRAWING NO. <b>F844-51-02</b>	ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE  <b>SITE GENERAL NOTES</b>				SCALE: NONE	 <b>US Army Corps of Engineers</b> <b>Baltimore District</b>
PLATE NO. <b>5</b>					DRAWN BY: AP	
SHEET NO. <b>SK- C2</b>	MARK	DATE	DESCRIPTION	APPROVED	CHECKED BY: RM	
					DATE: 10/29/01	

## NOTES:

12. ALL SPOIL MATERIAL SHALL BE REMOVED OFF GOVERNMENT PROPERTY ON A DAILY BASIS AT THE CONTRACTOR,S EXPENSE. EXCESS EXCAVATED MATERIAL SHALL BE PLACED DIRECTLY INTO A DUMP TRUCK AND IMMEDIATELY REMOVED OFF GOVERNMENT PROPERTY.
13. THE PROPOSED TOPSOIL STOCKPILE AREA WILL BE DETERMINED BY THE CONTRACTING OFFICER. THE ELEVATIONS OF THE STOCKPILE SHALL NOT EXCEED THE HEIGHT OF THE CONSTRUCTION FENCE. THE STOCKPILE MATERIAL SHALL ALSO NOT BE VISIBLE FROM THE KENNEDY MEMORIALS.
14. ALL SHRUBS AND SOD SHALL BE SUBMITTED FOR APPROVAL BY THE ANC HORTICULTURIST PRIOR TO INSTALLATION. THE HORTICULTURIST SHALL ALSO BE NOTIFIED BY TELEPHONE AND IN WRITING OF THE DATE OF INSTALLATION SO HE/SHE MAY BE PRESENT. FINAL APPROVAL OF THE SHRUBS AND SOD WILL BE 1-YEAR AFTER PROJECT ACCEPTANCE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE SHRUBS AND SOD DURING THIS 1-YEAR TIME PERIOD.
15. THE CONTRACTOR SHALL SOD ALL DISTURBED AREAS AND SHALL ENSURE THAT NEW SOD WILL BE PLACED SO THAT THERE IS A SMOOTH TRANSITION BETWEEN NEW AND OLD TURF.
16. SOME EXISTING IRRIGATION PIPING AND HEADS WILL REQUIRE COMPLETE REMOVAL TO ACCOMMODATE THE PROPOSED RENOVATION WORK. SEE APPENDIX IN SPECIFICATION FOR LOCATIONS.
17. FIELD ADJUST NEW IRRIGATION HEADS FOR ACTUAL CONDITIONS AND LOCATIONS OF TREES AND SHRUBS.
18. ANY EXISTING IRRIGATION APPARATUS THAT IS REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED WITH EQUAL PRODUCTS AT THE CONTRACTOR'S EXPENSE.
19. CONSTRUCTION MATERIAL SHALL BE SUBMITTED FOR APPROVAL AND SHALL MEET OR EXCEED: "PART 5 ENVIRONMENTAL PROTECTION AGENCY, 40 CODE OF FEDERAL REGULATION (CFR) PART 247," COMPREHENSIVE GUIDELINE FOR PROCUREMENT OF PRODUCTS CONTAINING RECOVERED MATERIALS, OR APPROVED EQUAL.
20. NO CONSTRUCTION EQUIPMENT, SUPPLIES OR MATERIALS SHALL BE STORED AT THE GRAVE SITE AT ANY TIME. CONSTRUCTION EQUIPMENT, SUPPLIES AND MATERIAL SHALL BE MOVED FROM THE CONTRACTOR'S STAGING AREA TO THE SITE AS DAILY WORK SCHEDULE REQUIRES EXCESS MATERIAL SHALL BE RETURNED TO THE STAGING AREA OR DISPOSED OF OFF-SITE DAILY. THE CONSTRUCTION SITE AND SURROUNDINGS SHALL BE KEPT CLEAN, FREE OF DEBRIS AND IN A GENERALLY ORDERLY APPEARANCE DURING THE PERFORMANCE OF THIS CONTRACT. CLEANUP OPERATIONS SHALL BE PERFORMED AT THE DISCRETION OF THE CONTRACTING OFFICER, CONSTRUCTION OPERATIONS SHALL BE HALTED UNTIL THE SITE IS MADE CLEAN AND ORDERLY, TO THE SATISFACTION OF THE GOVERNMENT. NO CONSTRUCTION DELAYS WILL BE RECORDED, AT THE FAULT OF THE GOVERNMENT AS A RESULT OF THIS ACTION.

DRAWING NO. <b>F844-51-02</b>	ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE				SCALE: NONE	 <b>US Army Corps of Engineers</b> Baltimore District
PLATE NO. <b>6</b>	<b>SITE GENERAL NOTES</b>				DRAWN BY: AP	
SHEET NO. <b>SK- C3</b>					MARK	
					DATE: 10/29/01	



DRAWING NO.  
**F844-51-02**

PLATE NO.  
**7**

SHEET NO.  
**SK- C4**

ARLINGTON NATIONAL CEMETERY  
RESTORATION OF RFK GRAVESITE

### PAVEMENT PLAN

MARK	DATE	DESCRIPTION	APPROVED

SCALE:  
AS NOTED

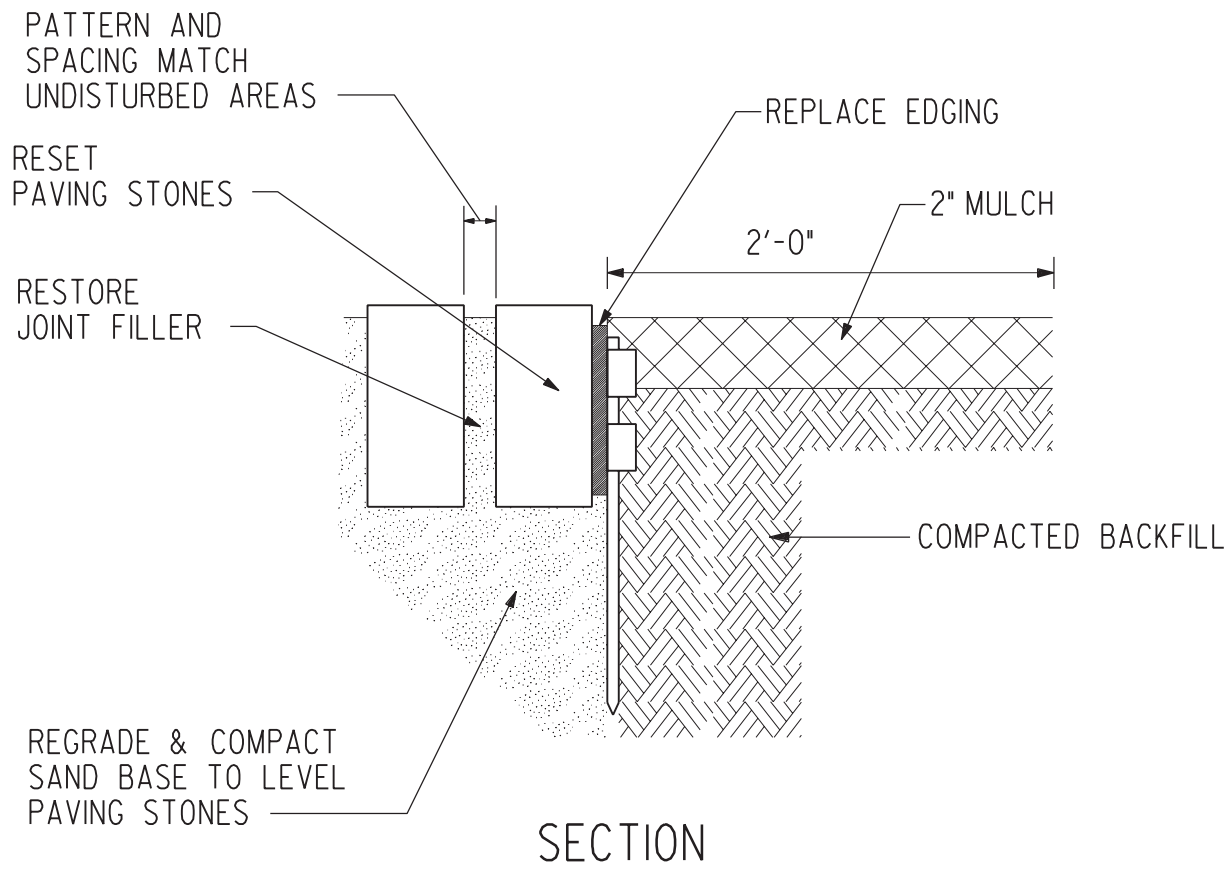
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DATE:  
10/29/01



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## NOTES:

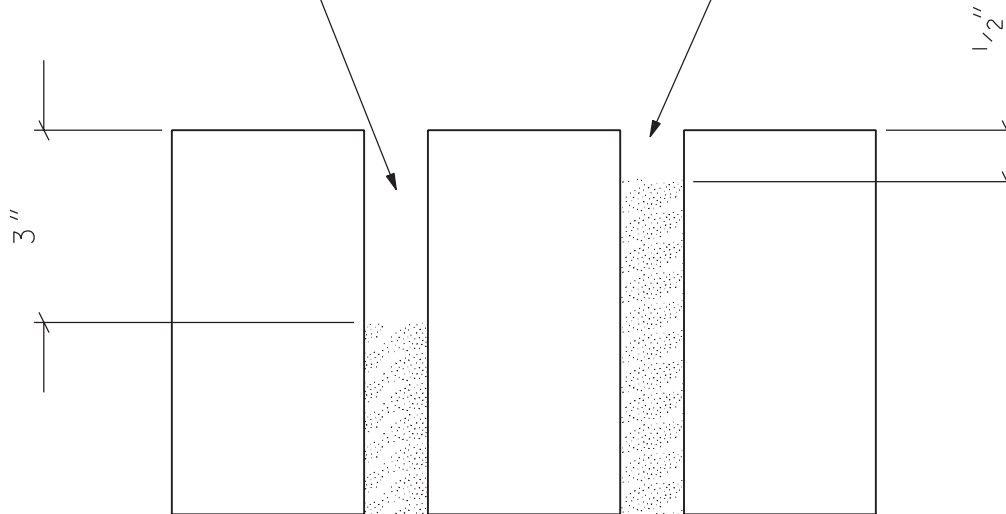
1. JOINT FILLER SHALL BE CLEAN, FINE WHITE SAND.
2. PAVING STONES THAT NEED TO BE RESET ARE WITHIN AREA MARKED ON PLAN. SET STONES LEVEL WITH THOSE REMAINING SO THAT STAIR TREADS HAVE CONSISTANT SLOPE AND CROSS SLOPE
3. EDGING SHALL BE 3/16" THICK, 4" DEEP ALUMINUM ANODIZED BLACK. SECTIONS SHALL INTERLOCK TO FORM CONTINUOUS UNIT. 15" SPIKES SHALL HOLD EDGING IN PLACE AT 32" INTERVALS.
4. BACKFILL WITH CRUSHED STONE MEETING VDOT # 57.

DRAWING NO. <b>F844-51-02</b>	ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE <b>RESET PAVING STONES DETAIL</b>				SCALE: NONE	 <b>US Army Corps of Engineers</b> Baltimore District
PLATE NO. <b>8</b>					DRAWN BY: DW	
SHEET NO. <b>SK- C5</b>	MARK	DATE	DESCRIPTION	APPROVED	CHECKED BY: RM	
					DATE: 10/29/01	



REMOVE DEBRIS AND  
FILLER TO 3" DEPTH

REFILL AND TAMP  
USING SAND



## NOTES:

1. SAND SHALL BE CLEAN FINE WHITE SAND.
2. IN 10 AREAS TOTALING 100 SQUARE FEET, REMOVE AND RESET PAVING STONES. AREAS WILL BE FIELD MARKED BY GOVERNMENT.
3. WHERE PAVING STONES HAVE BEEN REMOVED, GRADE AND COMPACT THE SANDSETTING BED AND RESET PAVERS TRUE AND EVEN WITH THE SURFACE OF THE PLAZA BEFORE REFILLING THE JOINTS. WHERE PAVERS ARE RESET, MATCH THE PATTERN OF THE EXISTING PLAZA AND MAINTAIN EVEN SPACING AND ALIGNMENT BETWEEN ALL STONES

DRAWING NO.  
**F844-51-02**

PLATE NO.  
**9**

SHEET NO.  
**SK- C6**

ARLINGTON NATIONAL CEMETERY  
RESTORATION OF RFK GRAVESITE  
**PLAZA PAVING JOINTS  
REFILLING DETAIL**

MARK	DATE	DESCRIPTION	APPROVED

SCALE:  
NONE

DRAWN BY:  
DW

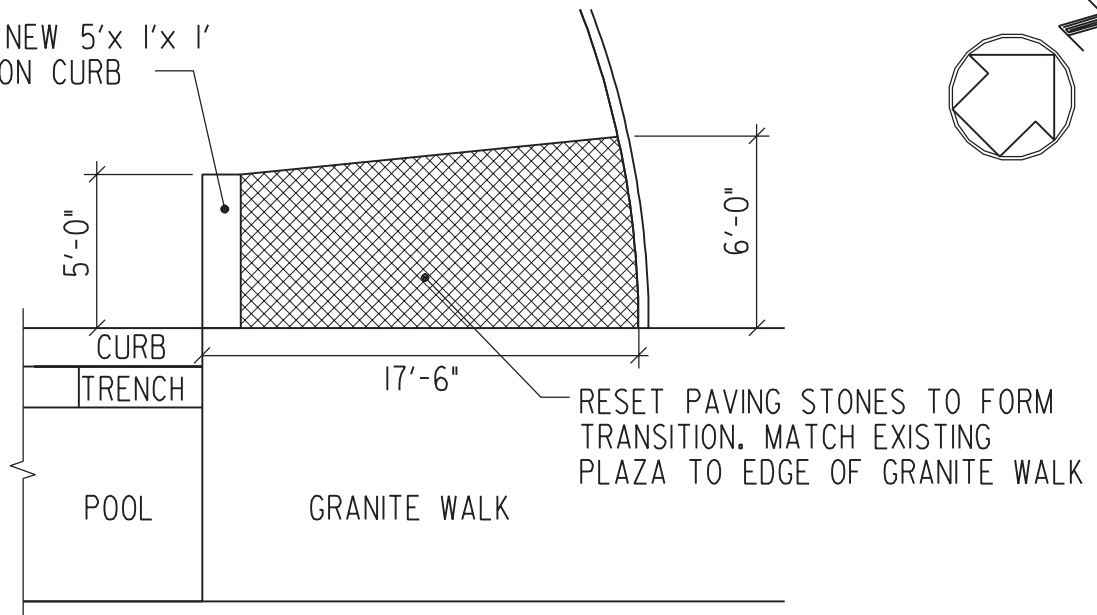
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10/29/01

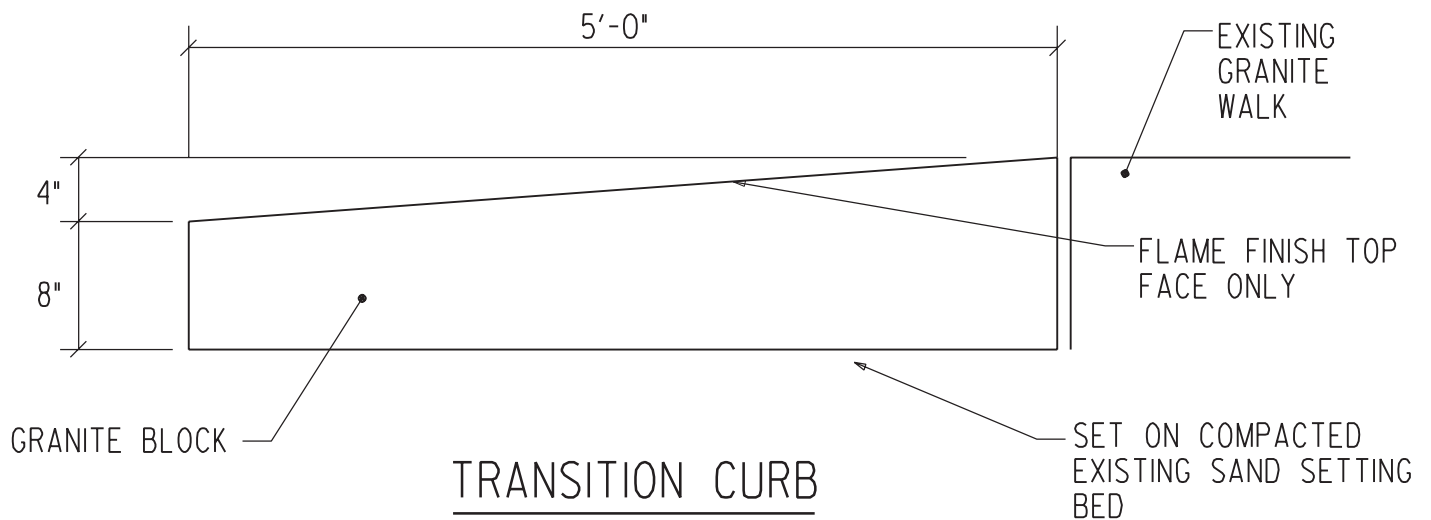


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Baltimore District

INSTALL NEW 5'x 1'x 1'  
TRANSITION CURB



TRANSITION PLAN



TRANSITION CURB

DRAWING NO.  
**F844-51-02**

PLATE NO.  
**10**

SHEET NO.  
**SK- C7**

ARLINGTON NATIONAL CEMETERY  
RESTORATION OF RFK GRAVESITE  
**PAVEMENT TRANSITION**

MARK	DATE	DESCRIPTION	APPROVED

SCALE:  
NONE

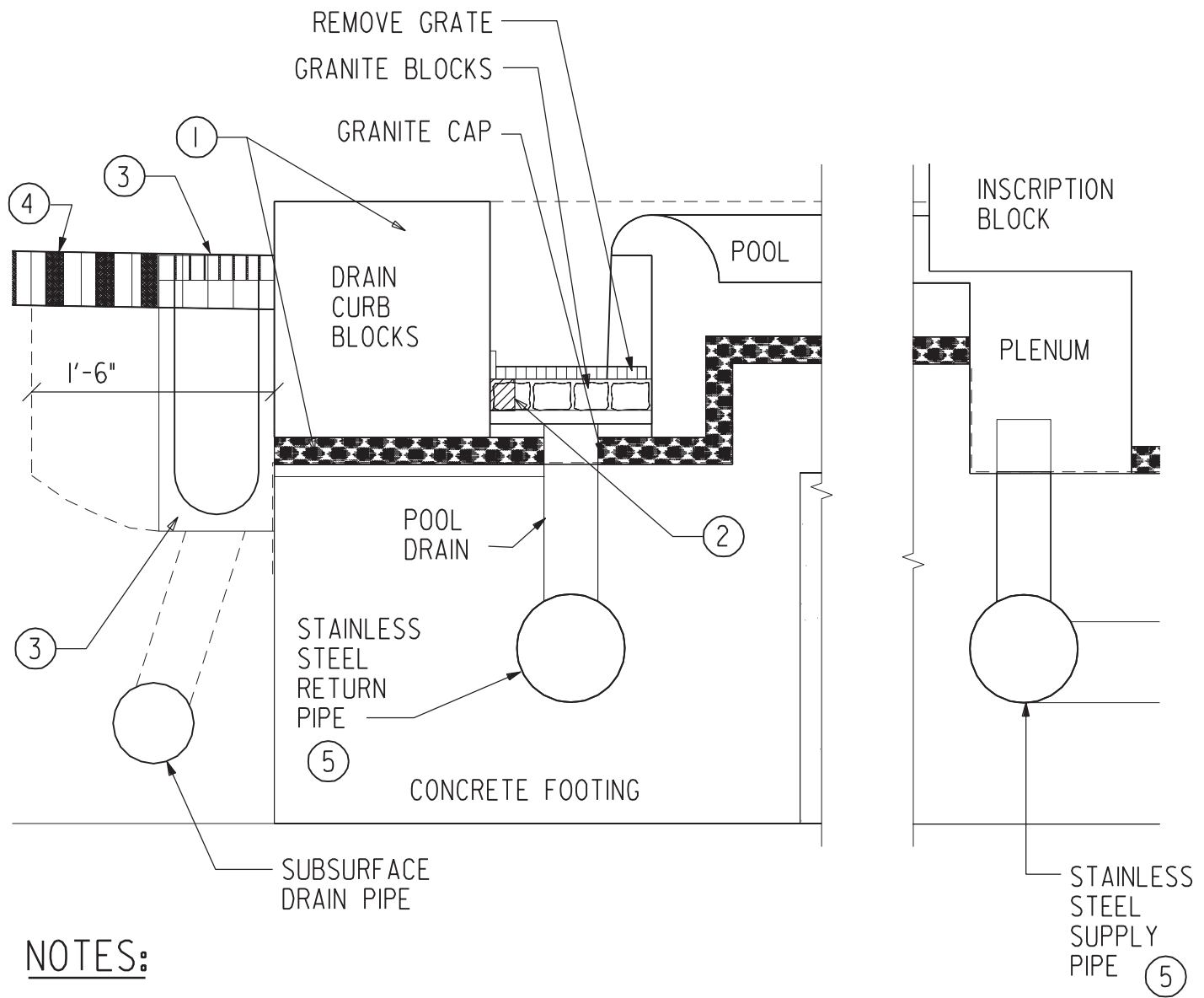
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DATE:  
10/29/01



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Baltimore District



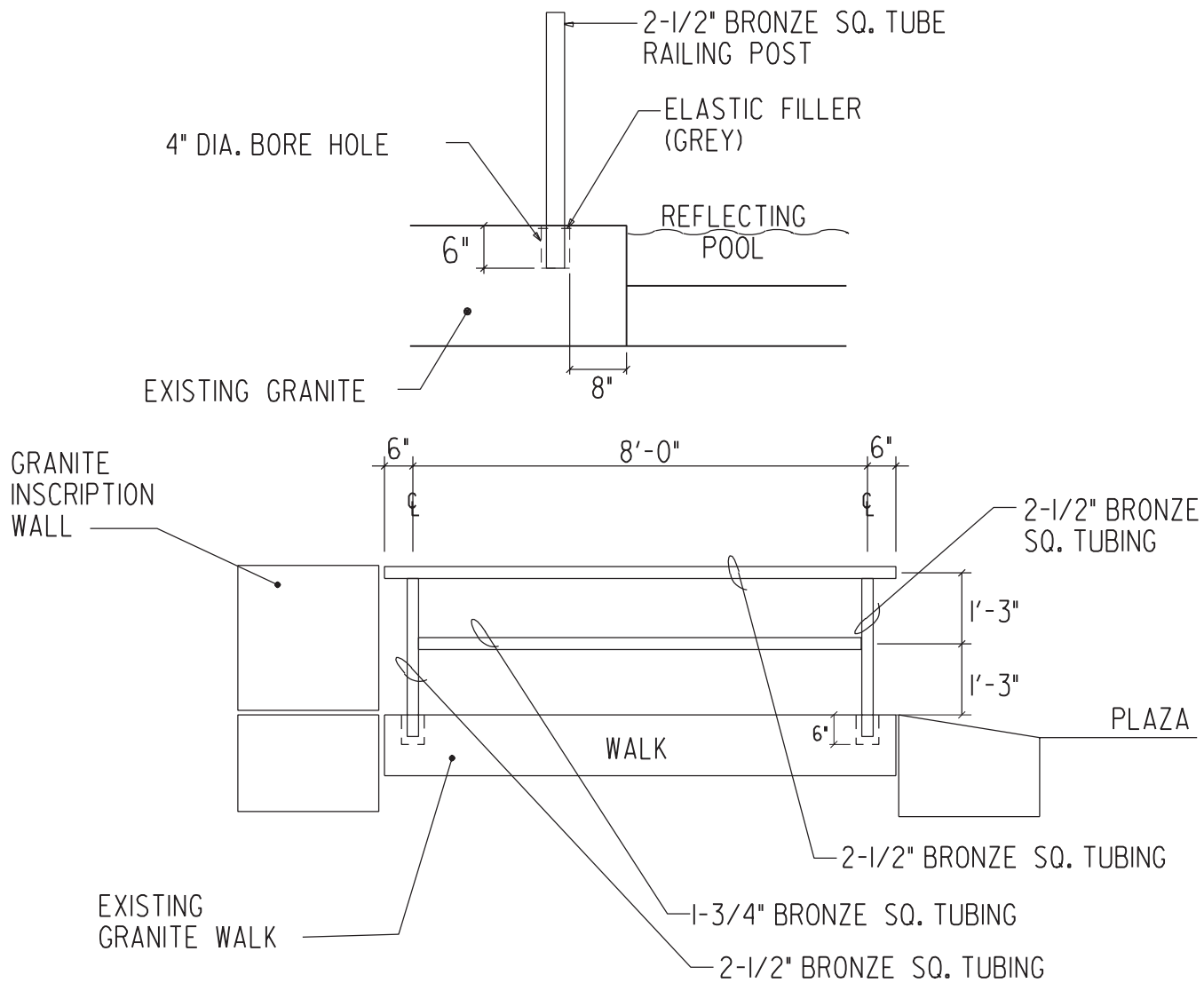
## NOTES:

- ① RESET CURB BLOCKS LEVEL ON NEW MORTAR BED.
- ② TWO PART EPOXY CAULK BETWEEN GRANITE BLOCKS AND CURB BLOCKS.
- ③ REINSTALL PLAZA DRAINS ADJACENT TO CURB BLOCK IN THE LOCATIONS SHOWN ON SK-C4 AND RECONNECT TO EXISTING DRAIN LINE.
- ④ RESET PAVING STONES AND FILL JOINTS WITH SAND. TAMP AND FINISH THE SAND AT 1/2" BELOW THE TOP OF THE STONE.
- ⑤ SEE SK-M7 FOR CONNECTION POINT AT THE SOUTH END OF THE FOUNTAIN UNDER THE GRANITE PAVERS.

DRAWING NO. <b>F844-51-02</b>	ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE <b>CURB BLOCK AND          PLAZA DRAIN DETAIL</b>				SCALE: NONE
PLATE NO. <b>11</b>					DRAWN BY: DW
SHEET NO. <b>SK- C8</b>	MARK	DATE	DESCRIPTION	APPROVED	CHECKED BY: RM
					DATE: 10/29/01



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## NOTES:

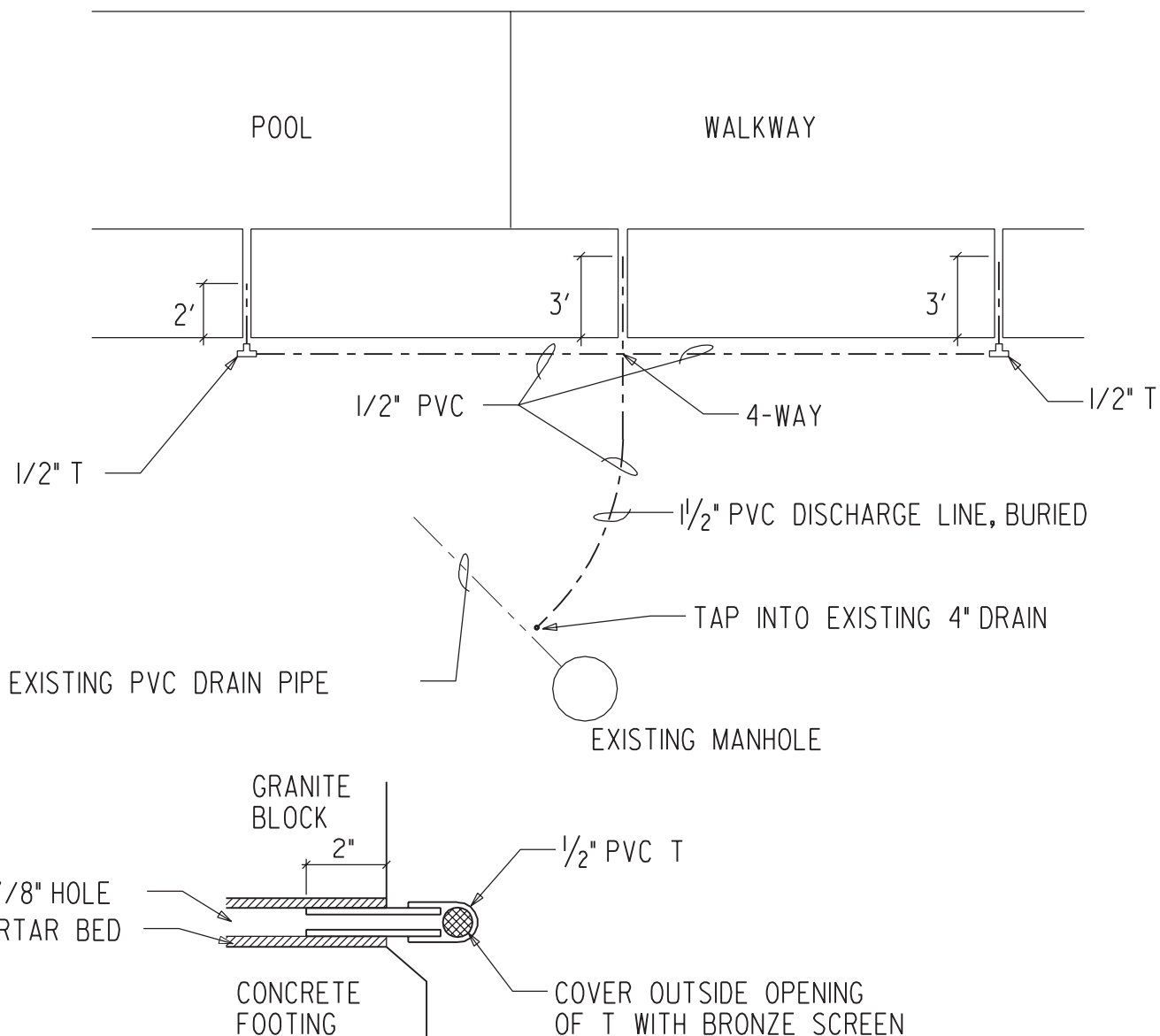
1. BRONZE STOCK SHALL BE RECTANGULAR, WITH ROUNDED CORNERS, AND 0.125" THICK. OPEN ENDS SHALL BE CAPPED WITH BRONZE STOCK AND BE ROUNDED.
2. JOINTS SHALL BE WELDED WITH A CONTINUOUS BEAD, THEN GROUND SMOOTH.

DRAWING NO. <b>F844-51-02</b>	<b>ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE</b>  <b>BRONZE BARRIER DETAIL</b>				SCALE: NONE
PLATE NO. <b>12</b>					DRAWN BY: DW
SHEET NO. <b>SK- C9</b>	MARK	DATE	DESCRIPTION	APPROVED	CHECKED BY: RM
					DATE: 10/29/01



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## GENERAL NOTES:

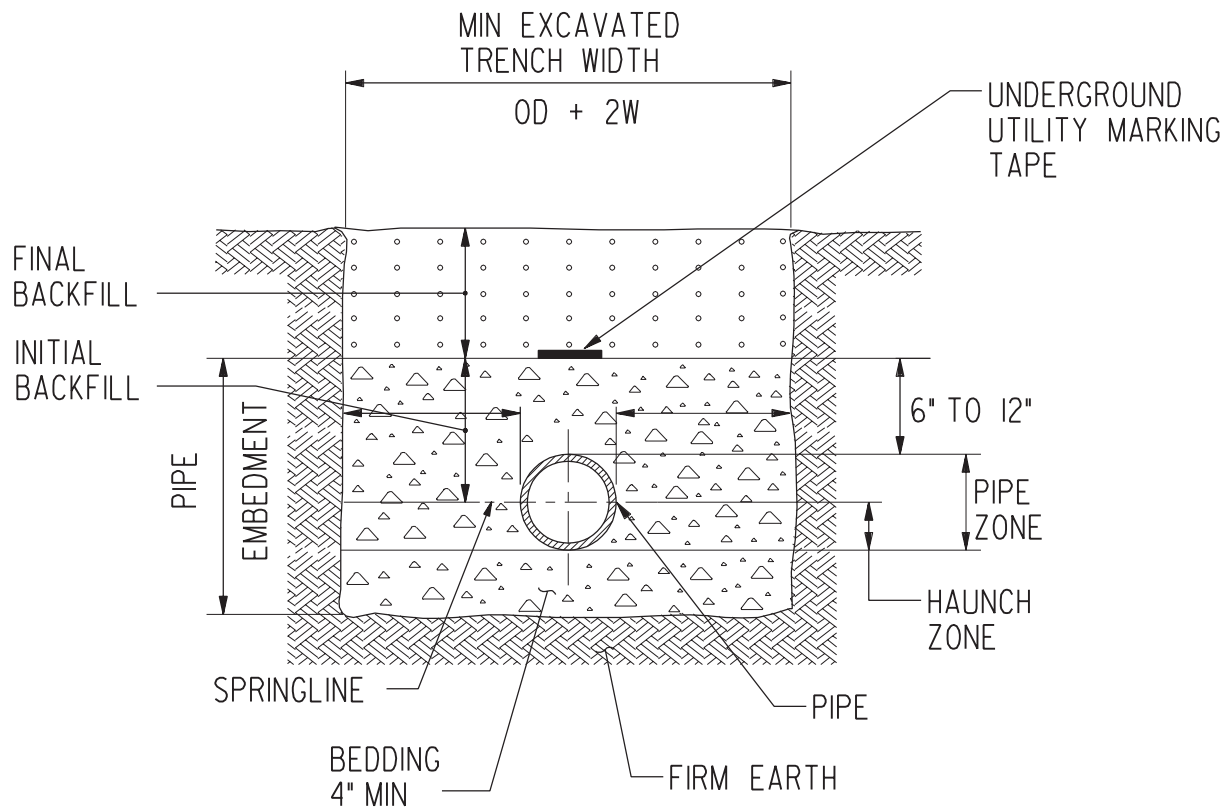
1. DRILL 3/4" DIA. HOLES IN WALL BLOCK SETTING BED BELOW VERTICAL JOINTS BETWEEN 3 BLOCKS TO DEPTHS SHOWN
2. TAP GLUE SHALL BE WATERPROOF AND SUITABLE FOR ADHERING TO PVC AND MORTAR.
3. PVC PIPE AND FITTING SHALL BE SCHEDULE 40.

DRAWING NO. <b>F844-51-02</b>	<b>ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE</b>  <b>WALL SEEPAGE CONTROL SYSTEM</b>				SCALE: NONE
PLATE NO. <b>13</b>					DRAWN BY: DW
SHEET NO. <b>SK- C10</b>	MARK	DATE	DESCRIPTION	APPROVED	CHECKED BY: RM
					DATE: 10/29/01



**US Army Corps  
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**Baltimore District**

DIA	W
6"	11"



## NOTES:

1. BEDDING FOR PVC PIPE SHALL MEET THE REQUIREMENTS OF ASTM D 2321.
2. BEDDING, HAUNCHING, AND INITIAL BACKFILL SHALL BE EITHER CLASS IB OR II MATERIALS.
3. BACKFILL & COMPACT IN 6" LIFTS.
4. UNDERGROUND UTILITY MARKING TAPE SHALL CONFORM TO DPWA COLOR CODE AND BE INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS.


DRAWING NO. <b>F844-51-02</b>	<b>ARLINGTON NATIONAL CEMETERY</b> <b>RESTORATION OF RFK GRAVESITE</b> <b>POLYVINYL CHLORIDE PIPE</b> <b>BEDDING DETAIL</b>				SCALE: NONE
PLATE NO. <b>14</b>					DRAWN BY: DW
SHEET NO. <b>SK- C11</b>	MARK	DATE	DESCRIPTION	APPROVED	CHECKED BY: RM
					DATE: 10/29/01



**US Army Corps  
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**Baltimore District**

## SEE SHEET SK-C1

- ① REMOVE EXISTING SOD. ALL OTHER LANDSCAPING MATERIALS WHICH MUST BE REMOVED SHALL BE ROOT PRUNED, BALLED AND BURLAPPED IN ACCORDANCE WITH ANSIZ60.I. PLANT MATERIAL SHALL HEALED IN AT A PRE-DETERMINED SITE APPROVED BY THE GOVERNMENT. PLANT MATERIAL SHALL BE MAINTAINED IN HEALTHY CONDITION AND TRANSPLANTED TO ORIGINAL LOCATIONS IN ACCORDANCE WITH THE PROJECT SCHEDULE. PLANT MATERIALS SHALL BE MAINTAINED IN HEALTHY, VIABLE CONDITION FOR A PERIOD OF ONE YEAR. MATERIAL DEAD OR DETERMINED TO BE DAMAGED OR DYING WILL BE REPLACED AT CONTRACTORS EXPENSE.
- ② REMOVE UNDERGROUND STEEL TANK. 6' DIAMETER X 14' LONG WITH 3' OF SOIL COVER.
- ③ REMOVE 4" UNDERGROUND DRAIN PIPING.
- ④ REMOVE UNDERGROUND 6" SUPPLY AND 6" RETURN PIPING.
- ⑤ REMOVE UNDERGROUND 6" SUPPLY, 6" RETURN, 6" VENT AND 2" FILTER SUCTION PIPING BETWEEN TANK AND PUMPHOUSE.
- ⑥ REMOVE UNDERGROUND ELECTRICAL CIRCUIT SERVING THE TANK. CIRCUIT IS FED FROM PANEL I IN THE UNDERGROUND PUMPHOUSE, SEE ELECTRICAL DRAWINGS FOR PANEL LOCATION.
- ⑦ REMOVE PAVERS, SAND BASE, AND EDGING AS SHOWN. REINSTALL PAVERS AS SHOWN ON SK-C5.
- ⑧ PROVIDE COMPACTED GRAVEL CONSTRUCTION ROAD FOR SITE ACCESS. PROTECT GRANITE CURB FROM DAMAGE.
- ⑨ REMOVE (3) EXISTING DRAINS AND 18" WIDE STRIP OF PAVERS. RETAIN PAVERS AND DRAINS FOR REUSE AS SHOWN ON SK-C4 AND SK-C8.
- ⑩ CURB BLOCKS SHALL BE REMOVED AND IMMEDIATELY REPLACED AS SHOWN ON SK-C8.
- ⑪ REMOVE 97 SF AREA OF GRANITE PAVERS AND SETTING BED. REINSTALL PAVEMENT TRANSITION CONFIGURATION AS SHOWN ON SK-C7.
- ⑫ REMOVE DEBRIS AND EXISTING SAND JOINT FILLER TO 3" DEPTH FOR ENTIRE SEMI-CIRCULAR PLAZA AND STEPS. REMOVE 100 SF OF PAVING STONES IN 10 AREAS. IDENTIFIED IN FIELD BY OWNER. REINSTALL SELECTED AREAS AS SHOWN ON SK-C5
- ⑬ DISCONNECT AND REMOVE UNDERGROUND ELECTRICAL CIRCUIT BETWEEN PANEL X (BREAKER #1) AND CIRCUIT BREAKER JUNCTION BOX LOCATED NEAR JFK FLAME CONTROL BOX. DEMOLITION SHALL INCLUDE BOTH CIRCUIT BREAKERS AT DISCONNECT ENCLOSURE, 1" RGS CONDUIT, JUNCTION BOXES AND ALL CONDUCTORS. SEE SKETCH SK-E1FOR PANEL LOCATION.

DRAWING NO. <b>F844-51-02</b>	ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE				SCALE: NONE	 <b>US Army Corps of Engineers</b> <b>Baltimore District</b>
PLATE NO. <b>15</b>	<b>SITE DEMOLITION NOTES</b>				DRAWN BY: DW	
SHEET NO. <b>SK- C12</b>	MARK	DATE	DESCRIPTION	APPROVED	CHECKED BY: RM	
					DATE: 19/29/01	

## SEE SHEET SK-C1

- (14) PRIOR TO ANY DEMOLITION, EROSION & SEDIMENT CONTROL MEASURES SHALL BE PERFORMED AS PER SHEET SK-C1 AND STATE OF VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK STANDARDS AND SPECIFICATIONS. EROSION CONTROL MEASURES AND TEMPORARY CONSTRUCTION CONTROL MEASURES SHALL BE SUBMITTED FOR GOVERNMENT APPROVAL.

## SEE SHEET SK-C5, SK-C6, SK-C7


### MATERIAL:

BACKFILL: SHALL BE CLEAN, WELL GRADED AND FREE OF ORGANIC MATERIAL AND SHALL CONFORM TO VDOT STANDARD FOR CRUSHER RUN.

ALUMINUM EDGING: SHALL BE BLACK ANODIZED ALUMINUM  $\frac{3}{16}$ " INCH THICK AND 4" DEEP. SECTIONS SHALL INTERLOCK TO FORM A CONTINUOUS UNIT AND BE SECURED IN PLACE WITH SPIKES A MINIMUM OF 12" IN LENGTH.

SAND: SHALL BE CLEAN, WHITE AND SUITABLE FOR BASE COURSE LEVELING AND BACKFILL OF PAVERS.

MULCH: SHALL BE SHREDDED HARDWOOD BARK FREE FROM WEEDS, SEEDS, ROCK AND OTHER DELETERIOUS MATTER.

DRAWING NO. <b>F844-51-02</b>	ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE <b>SITE DEMOLITION NOTES CONSTRUCTION MATERIAL NOTES</b>				SCALE: NONE	 <b>US Army Corps of Engineers</b> Baltimore District
PLATE NO. <b>16</b>					DRAWN BY: DW	
SHEET NO. <b>SK- C13</b>	MARK	DATE	DESCRIPTION	APPROVED	CHECKED BY: RM	
					DATE: 10/29/01	



## SEE SHEETS: SK-C5, SKC-6, SK-C7

### INSTALLATION:

BACKFILL: SHALL BE PLACED, MACHINE COMPACTED USING A VIBRATING FLAT PLATE COMPACTOR AND LEVELED AS IDENTIFIED ON PLANS.

ALUMINUM EDGING: EDGING SHALL BE PLACED AND SECURED BY SPIKES AT A MINIMUM OF 32" INCH INTERVALS. EDGING SHALL BE PLACED AT A HEIGHT NOT TO EXCEED 1/2" INCH ABOVE COMPACTED FINISH GRADE AND 1/2" BELOW THE TOP SURFACE OF THE ADJACENT PAVING STONES


SAND: SHALL BE REPLACED ON COMPACTED BASE COURSE TO LEVEL PAVER TOPS WITH EXISTING PAVERS. BASECOURSE SHALL BE LEVELED AND COMPACTED USING A VIBRATING FLAT PLATE COMPACTOR.

REINSTALL PAVERS: PAVERS SHALL BE RESET IN PLACE TO MATCH EXISTING PAVER PATTERN AND ELEVATION. PAVERS SHALL BE BACKFILLED WITH SAND TO 1 INCH ABOVE EXISTING PAVER TOPS. COMPACT WITH FLAT PLATE, VIBRATING COMPACTOR. BROOM AWAY EXCESS SAND TO A MAX. 1/2" DEPTH BETWEEN PAVERS. CLEAN PAVEMENT WITH WATER TO COMPACT AND REMOVE EXCESS SAND AND FOREIGN MATERIAL. ANY PAVERS CHIPPED, CRACKED OR IN ANY OTHER WAY DAMAGED SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

CLEANUP: CLEAN PROJECT SITE, REMOVE ALL EXCESS CONSTRUCTION MATERIALS AND DEBRIS DAILY. REMOVE ALL FOREIGN MATTER FROM PAVEMENTS, DRAINS AND WALLS AND DISPOSE OF, OFF SITE, AT A GOVERNMENT APPROVED WASTE COLLECTION SITE.

PLANT AND SOD MAINTENANCE: CONTRACTOR SHALL MAINTAIN PLANTS AND SOD IN HEALTHY VIABLE CONDITION FOR A PERIOD OF ONE YEAR. PLANTS AND SOD THAT ARE DAMAGED OR DIE DURING THAT PERIOD SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE GOVERNMENT.

SITE ACCEPTANCE: THE CONTRACTOR SHALL REQUEST A FINAL INSPECTION BY THE GOVERNMENT ONE WEEK IN ADVANCE OF THE PROPOSED DATE. THE PROJECT SHALL BE FREE OF ALL DEFECTS AND IN OTHERWISE ACCEPTABLE CONDITION FOR APPROVAL OF PAYMENT FOR THIS PORTION OF THE WORK. UPON SITE ACCEPTANCE, THE ONE YEAR PLANT AND SOD MAINTENANCE GUARANTY WILL BEGIN. FINAL ACCEPTANCE AND PAYMENT WILL BE MADE UPON APPROVAL OF FINAL INSPECTION.

DRAWING NO. <b>F844-51-02</b>	ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE				SCALE: NONE	 <b>US Army Corps of Engineers</b> Baltimore District
PLATE NO. <b>17</b>	<b>CONSTRUCTION MATERIAL NOTES</b>				DRAWN BY: DW	
SHEET NO. <b>SK- C14</b>	MARK	DATE	DESCRIPTION	APPROVED	CHECKED BY: RM	
					DATE: 10/29/01	

## SK-C8

### MATERIALS:

**CURB BLOCKS:** STORED CURB BLOCK SHALL BE RETURNED TO THE WORK AREA FOR RESETTING. CURB BLOCK OR OTHER ELEMENTS CHIPPED, SCRATCHED OR DAMAGED IN ANY UNACCEPTABLE WAY DURING DEMOLITION, STORAGE OR RESETTING SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

**MORTAR:** MORTAR MATERIALS SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS, MASONRY CEMENT ASTM C-91, HYDRATED LIME ASTM C-207, SAND ASTM C-144, WATER, FREE OF DELETERIOUS ACIDS, ALKALIES OR ORGANIC MATERIAL.


**CAULK:** CAULK SHALL BE WHITE, TWO PART, WATERPROOF, EPOXY BASED ELASTOMERIC CAULKING CONFORMING TO ASTM C-920, OR APPROVED EQUAL.

### INSTALLATION:

**INSTALLATION OF CURB BLOCK:** PREPARE CONCRETE FOOTING FOR RESETING CURB BLOCKS. CONCRETE SHALL BE CLEAN OF OLD MORTAR, CHIPS AND OTHER DEBRIS. APPLY APPROVED WATERPROOF BONDING AGENT TO TOP OF FOOTING. APPLY A BED OF "TYPE M" MORTAR TO FOOTING TOP. APPLY A CONTINUOUS BEAD OF TO DRAIN BOTTOM FACE. RESET AND LEVEL DRAIN CURB BLOCKS TO PRE-DEMOLITION ELEVATION. REMOVE EXCESS CAULK TO ENSURE DRAIN GRATE WILL SEAT PROPERLY AND REMAIN REMOVABLE. AREAS WHERE CAULK HAS NOT BEEN FORCED OUT SHALL HAVE A CONTINUOUS BEAD FORCED INTO PLACE WITH A PRESSURE GUN. (AS SHOWN ON NOTE #2 SHEET SK-C8 AND SK-C4 ) DRAIN CURBS SHALL NOT BE RESET DURING RAIN EVENTS OR FREEZING TEMPERATURES. CONTRACTOR PROPOSED MORTAR ADDITIVES SHALL BE SUBMITTED TO GOVERNMENT FOR APPROVAL ONE WEEK PRIOR TO WORK.

**MORTAR:** BEDDING MORTAR SHALL BE APPLIED TO THICKNESS SUFFICIENT TO RAISE CURB BLOCKS TO PRE DEMOLITION ELEVATION. ALLOW MORTAR TO CURE FOR A MINIMUM OF SEVEN DAYS PRIOR TO PLAZA DRAIN REPLACEMENT.

**PLAZA DRAIN REPLACEMENT:** PLACE AND CONNECT PLAZA DRAINS AND LINES TO EXISTING DRAINLINE AS SHOWN IN SK-C4. DRAINS AND LINES SHALL POSITIVELY DRAIN ALL WATER. NO STANDING WATER SHALL REMAIN.

DRAWING NO. <b>F844-51-02</b>	ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE				SCALE: NONE	 <b>US Army Corps of Engineers</b> Baltimore District
PLATE NO. <b>18</b>	<b>CONSTRUCTION MATERIAL NOTES</b>				DRAWN BY: DW	
SHEET NO. <b>SK- C15</b>	MARK	DATE	DESCRIPTION	APPROVED	CHECKED BY: RM	
					DATE: 10/29/01	

## SK-C9

MATERIAL: HAND RAIL SHALL BE BRONZE SQUARE TUBING AS SHOWN ON SK-C9 MEETING ASTM B 455. ANSI STANDARD- A58.1 MINIMUM DESIGN LOADS IN BUILDINGS AND OTHER STRUCTURES.

SUBMIT SHOP DRAWINGS AND PRODUCT DATA FOR GOVERNMENT APPROVAL. INDICATE COMPONENT DETAILS, MATERIALS, FINISHES, CONNECTION AND JOINING METHODS, AND THE RELATIONSHIP TO ADJOINING WORK. ALL JOINTS AND WELDS SHALL BE GROUND SMOOTH AND FREE FROM SHARP MATERIAL AND MATCH FINISH RAILING MATERIAL

ELASTOMERIC COMPOUND: COMPOUND SHALL BE GREY IN COLOR TO CLOSELY MATCH EXISTING STONE , TWO PART, WATERPROOF, EPOXY BASED ELASTOMERIC COMPOUND CONFORMING TO ASTM C-920, OR APPROVED EQUAL.

INSTALLATION: AS SHOWN ON SK-C9, CORE DRILL 4" DIAMETER HOLES IN GRANITE TO A MAX. DEPTH OF 6". PARTIALLY FILL CORES WITH COMPOUND INSTALL PREFABRICATED RAILING STANDARDS IN PRE DRILLED HOLES, LEVEL AND BRACE RAILING, FILL AND LEVEL COMPOUND AT STANDARDS TO POSITIVELY SHED WATER. LEVEL AND BRACE RAILING UNTIL COMPOUND IS FULLY CURED. RAILING SHALL BE CLEAN AND FREE OF SCRATCHES DENTS OR ANY OTHER DAMAGE OR SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

## SK-C10

WALL SEEPAGE CONTROL SYSTEM:

MATERIAL:

PVC: 1/2" AND 1 1/2" INCH PVC SCHEDULE 40, ASTM D1785, SUITABLE FOR DIRECT BURIAL

CAULK: TWO PART WATERPROOF ELASTOMERIC CAULK SUITABLE FOR BONDING PVC TO MORTAR.

INSTALLATION: REMOVE SOD, EXCAVATE SOIL TO EXPOSE EXISTING 4" PVC DRAIN LINE. DRILL 7/8" DIA. HOLES IN WALL BLOCK MORTAR SETTING BED BELOW VERTICAL JOINTS AND BETWEEN 3 BLOCKS TO DEPTHS SHOWN TO CREATE TAP HOLES. CAULK PVC PIPE INTO TAP HOLES AND GLUE FITTINGS AND PIPE IN PLACE. TRENCH AND INSTALL 1 1/2" DRAIN LINE. TAP INTO EXISTING 4" PVC DRAIN. BACKFILL AND COMPACT TO GRADE REPLACE SOD.


## SK-C11

TEMPORARY OBSERVATION DECK:

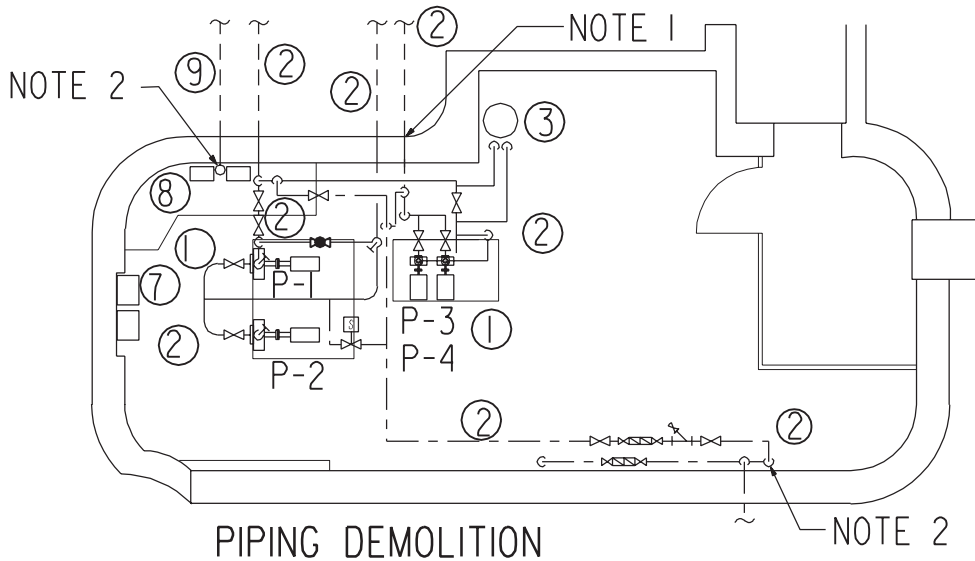
MATERIAL: RENTAL, PREFABRICATED SELF LEVELING ALUMINUM STAGE DECKING AND RAILINGS. TERMS OF RENTAL SHALL NOT EXCEED THE TERM OF CONTRACT. CONTRACTOR DELAYS CAUSING NEED FOR EXTENSION OF THE RENTAL TERM SHALL BE AT THE CONTRACTORS EXPENSE.

INSTALLATION: PLACE PREFABRICATED PANELS ON PREPARED GRADE. LEVEL AS REQUIRED TO PRODUCE A FLAT. LEVEL WALKWAY SUITABLE FOR WHEELCHAIR ACCESS. PANEL INTERFACES SHALL NOT HAVE MORE THAN 1/2" DIFFERENCE IN ELEVATION.

CLEANUP: UPON REMOVAL OF TEMPORARY DECKING ALL SOD AND SUBGRADE SHALL BE RETURNED TO ORIGINAL GRADE AND CONDITION. SOD SHALL BE MAINTAINED IN HEALTHY, VIABLE CONDITION FOR A PERIOD OF ONE YEAR FROM PRELIMINARY PROJECT ACCEPTANCE.

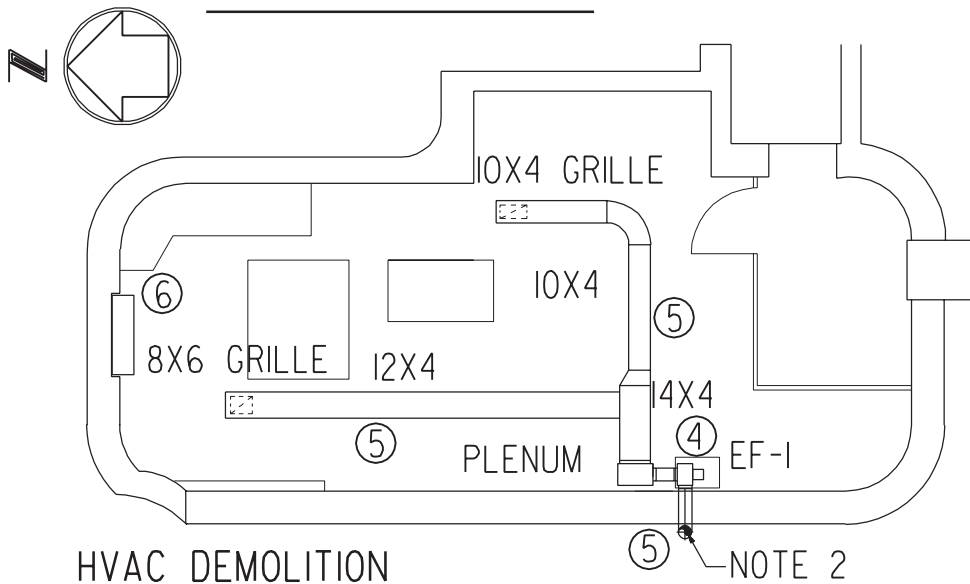
DRAWING NO. <b>F844-51-02</b>	ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE				SCALE: NONE	 <b>US Army Corps of Engineers</b> Baltimore District
PLATE NO. <b>19</b>	<b>CONSTRUCTION MATERIAL NOTES</b>				DRAWN BY: DW	
SHEET NO. <b>SK- C16</b>	MARK	DATE	DESCRIPTION	APPROVED	CHECKED BY: RM	
					DATE: 10/29/01	

FOR PIPING CONTINUATION SEE SK-CI



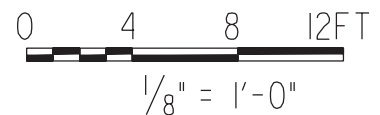
### NOTES:


1. MAINTAIN INTEGRITY OF CONCRETE OPENINGS FOR INSTALLATION OF NEW PIPING AND WATER PROOF SEALS. OPENINGS WHICH ARE NOT RE-USE SHALL BE PLUGGED.
2. POINT OF PIPING OR DUCT DISCONNECT.



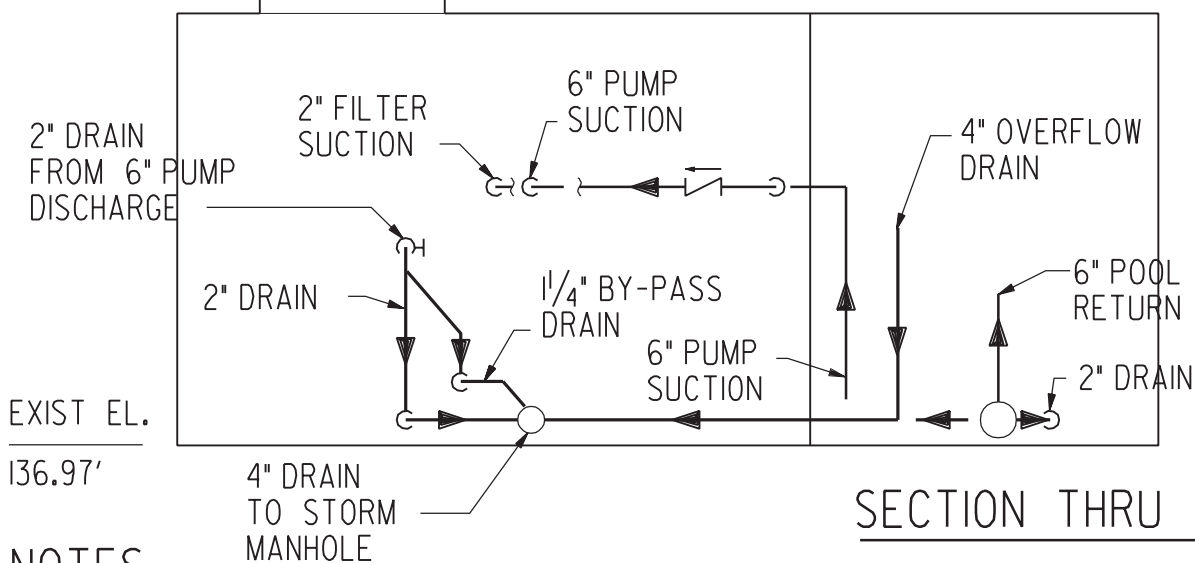
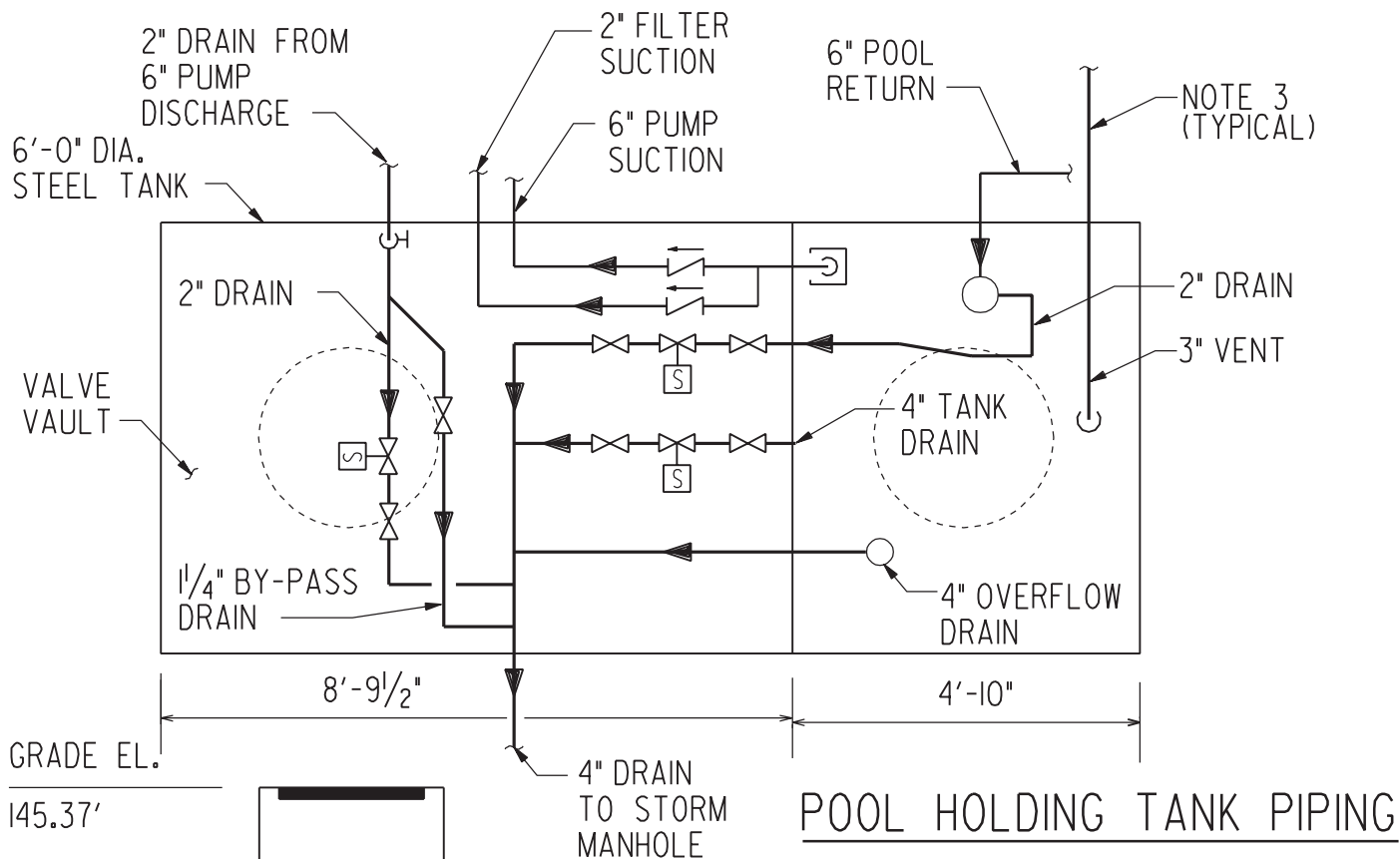
### DEMOLITION NOTES:

- ① REMOVE PUMP AND ALL ASSOCIATED PIPING.
- ② REMOVE PIPING AND ASSOCIATED FITTINGS, GAGES AND VALVES.
- ③ REMOVE HOT WATER HEATER.
- ④ REMOVE EXHAUST FAN AND ALL ASSOCIATED DUCTWORK.
- ⑤ REMOVE DUCTWORK AND PLENUM.
- ⑥ REMOVE ELECTRIC CABINET HEATER.
- ⑦ REMOVE PUMP CONTROLS.
- ⑧ REMOVE CONTROLS AND TANK LEVEL INDICATOR.
- ⑨ REMOVE 3" TANK VENT PIPING.



DRAWING NO. <b>F844-51-02</b>	ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE <b>PUMP HOUSE          DEMOLITION-MECHANICAL</b>				SCALE: AS NOTED	 <b>US Army Corps          of Engineers</b> Baltimore District
PLATE NO. <b>20</b>					DRAWN BY: AP	
SHEET NO. <b>SK- M1</b>	MARK	DATE	DESCRIPTION	APPROVED	CHECKED BY: DF	
					DATE: 10/29/01	





## NOTES

1. REMOVE TANK AND ALL PIPING SHOWN ON THIS PLAN AND SK-C1.
2. REMOVAL OF PIPING SHALL BE UP TO POOL, PUMP ROOM AND STORM MANHOLES.
3. FOR CONTINUATION OF PIPING SEE FLOW DIAGRAM ON SKETCH SK-M3 AND SITE DEMOLITION SKETCH SK-C1.

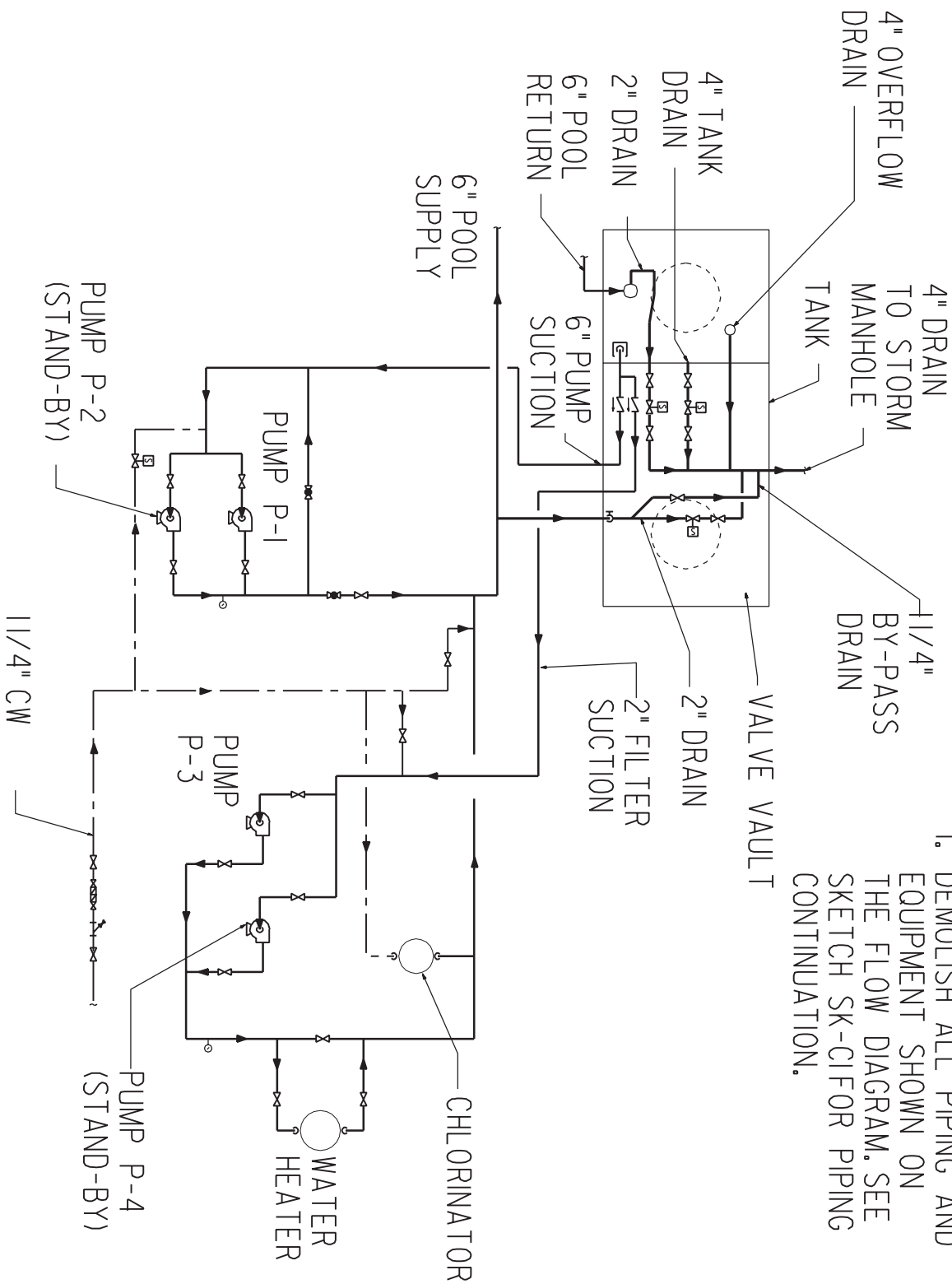
DRAWING NO. <b>F844-51-02</b>	ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE				SCALE: NONE
PLATE NO. <b>21</b>	<b>UNDERGROUND TANK PIPING DEMOLITION</b>				DRAWN BY: AP
SHEET NO. <b>SK- M2</b>	MARK	DATE	DESCRIPTION	APPROVED	CHECKED BY: DF
					DATE: 10/29/01



**US Army Corps  
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Baltimore District

## NOTES

1. DEMOLISH ALL PIPING AND EQUIPMENT SHOWN ON THE FLOW DIAGRAM. SEE SKETCH SK-CIFOR PIPING CONTINUATION.



## FLOW DIAGRAM-DEMOLITION

NTS

DRAWING NO.

**F844-51-02**

PLATE NO.

**22**

SHEET NO.

**SK- M3**

ARLINGTON NATIONAL CEMETERY  
RESTORATION OF RFK GRAVESITE

## FLOW DIAGRAM-DEMOLITION

MARK	DATE	DESCRIPTION	APPROVED

SCALE:

NONE

DRAWN BY:

AP

CHECKED BY:

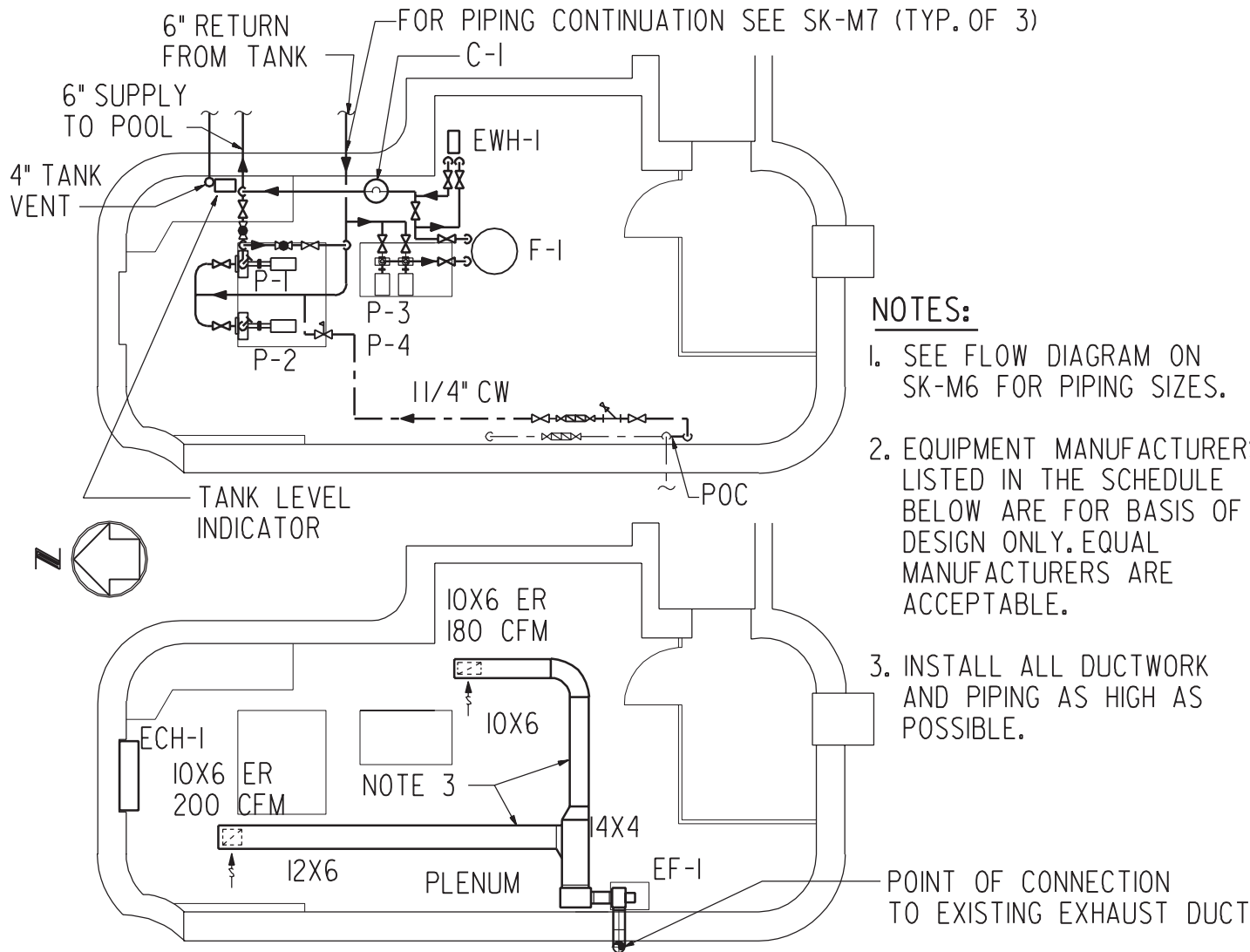
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DATE:

10/29/01



**US Army Corps  
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Baltimore District

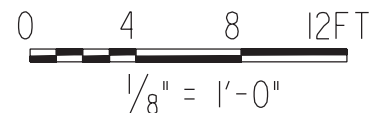


### NOTES:

1. SEE FLOW DIAGRAM ON SK-M6 FOR PIPING SIZES.
2. EQUIPMENT MANUFACTURERS LISTED IN THE SCHEDULE BELOW ARE FOR BASIS OF DESIGN ONLY. EQUAL MANUFACTURERS ARE ACCEPTABLE.
3. INSTALL ALL DUCTWORK AND PIPING AS HIGH AS POSSIBLE.

### MECHANICAL EQUIPMENT SCHEDULE

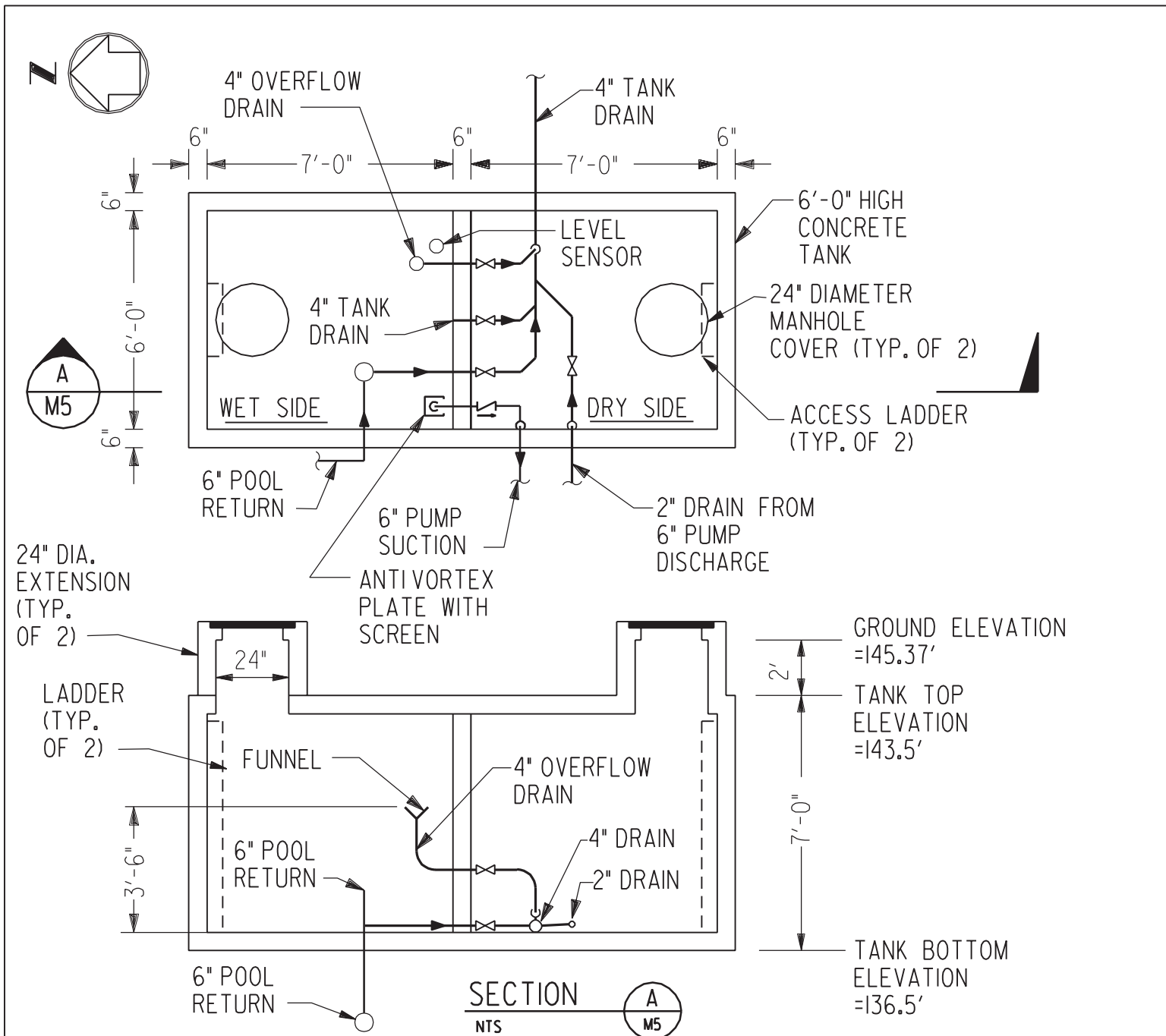
1. POOL PUMP (P-1 & STANDBY P-2)  
TACO FE5010, 600 GPM @ 40' TDH,  
7.5 HP. 208V-3 PHASE
2. SAND FILTER PUMP (P-3 & STANDBY P-4)  
HAYWARD SUPER II PUMP, 35 GPM @ 60'  
TDH, 3/4 HP. 120V-1 PHASE.
3. SAND FILTER (F-1)  
HAYWARD "PRO SERIES" HIGH RATE SAND  
FILTER SI80T, 35 GPM FLOW RATE
4. ELECTRIC WATER HEATER (EWH-1)  
CHROMALOX NWHMT-3605, 6 KW,  
208V-1 PHASE.
5. ELECTRIC CABINET HEATER (ECH-1)  
TRANE FORCE FLOW VERTICAL CABINET  
HEATER, FRONT STAMPED OUTLET AND  
INLET LOUVER, 3 KW, 208V-1 PHASE.
6. CHLORINATOR (C-1)  
HAYWARD AUTOMATIC  
CHLORINATOR CL-200-2S,  
9 LB CAPACITY.
7. EXHAUST FAN EF-1  
COOK CP7DII, DIRECT DRIVE,  
380 CFM @ 0.5 IN W.G. SP.  
1/4 HP, 120V-1 PHASE.
8. BACKFLOW PREVENTER  
WILKINS MODEL 575.



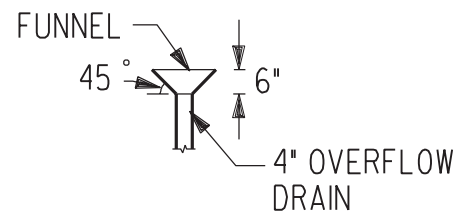
DRAWING NO. <b>F844-51-02</b>	ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE <b>PUMP HOUSE</b> <b>MECHANICAL - PLANS</b>				SCALE: AS NOTED
PLATE NO. <b>23</b>					DRAWN BY: AP
SHEET NO. <b>SK- M4</b>	MARK	DATE	DESCRIPTION	APPROVED	CHECKED BY: DF
					DATE: 10/29/01



**US Army Corps  
of Engineers**  
**Baltimore District**



1. PROVIDE ONE PIECE ASTM C913 PRECAST CONC. ANK 6" MINIMUM THICKNESS. COMPRESSIVE STRENGTH OF CONCRETE @ 28 DAYS SHALL BE 5000 PSI. CONTRACTOR SHALL PROVIDE DESIGN CALCULATIONS AND SHOP DRAWINGS FOR APPROVAL.
2. PROVIDE LINE SLEEVES AND HYDRO SEALS EQUAL TO LINK SEAL FOR PIPE PENETRATIONS TO TANK AND PUMP HOUSE.



**FUNNEL DETAIL**  
NTS

DRAWING NO. <b>F844-51-02</b>	ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE				SCALE: NONE
PLATE NO. <b>24</b>	<b>TANK AND PIPING-NEW</b>				DRAWN BY: AP
SHEET NO. <b>SK- M5</b>	MARK	DATE	DESCRIPTION	APPROVED	CHECKED BY: DF
					DATE: 10/29/01

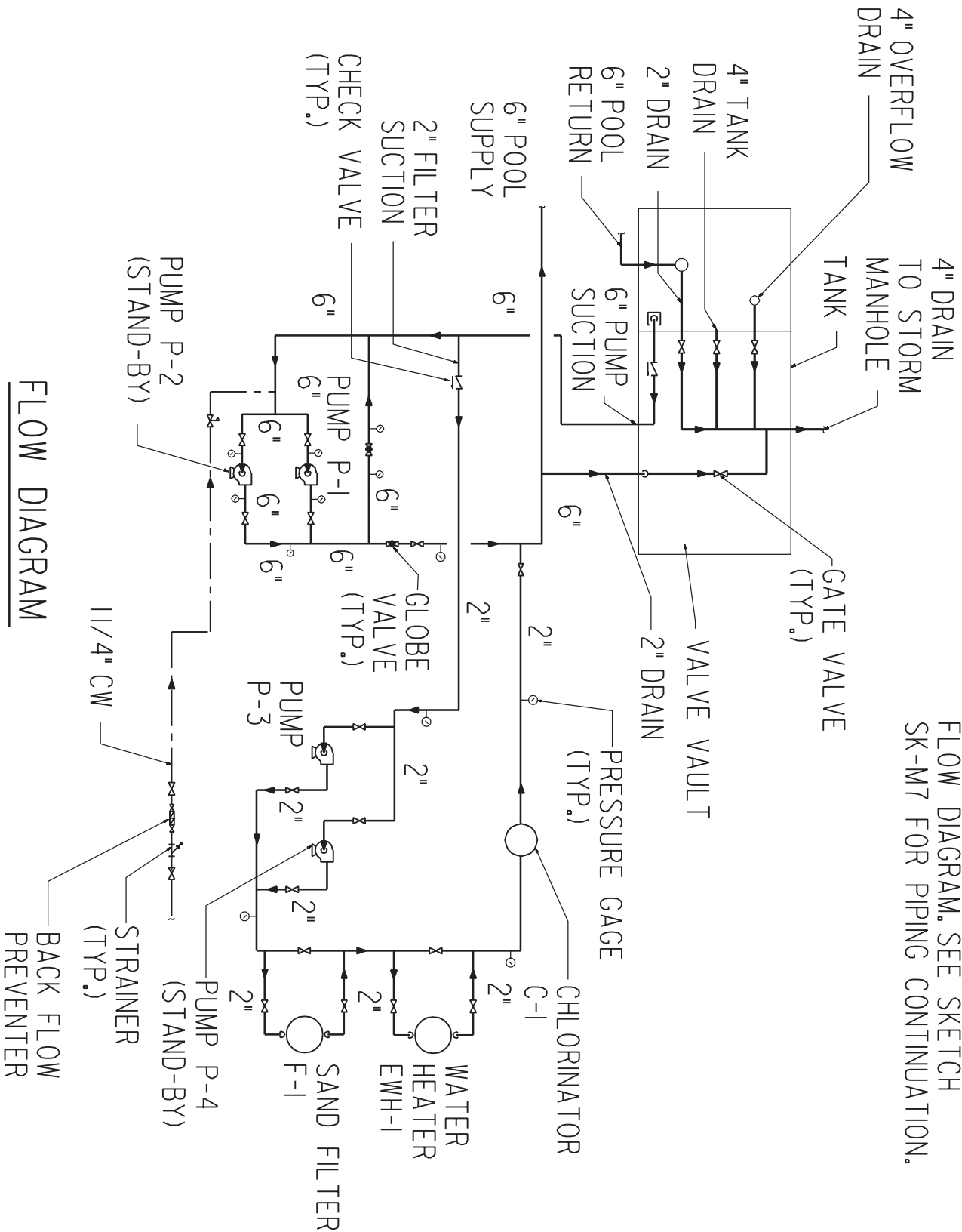



**US Army Corps  
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Baltimore District



## NOTE

1. PROVIDE ALL NEW PIPING AND EQUIPMENT SHOWN ON THIS FLOW DIAGRAM. SEE SKETCH SK-M7 FOR PIPING CONTINUATION.



DRAWING NO. <b>F844-51-02</b>	ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE				SCALE: NONE	 <b>US Army Corps of Engineers</b>  <b>Baltimore District</b>
PLATE NO. <b>25</b>	<b>FLOW DIAGRAM-NEW</b>				DRAWN BY: AP	
SHEET NO. <b>SK- M6</b>					MARK	
					DATE: 10/29/01	



SLOPING  
GRADE

POC BELOW GRADE  
BETWEEN NEW PVC  
PIPING AND EXISTING  
STAINLESS STEEL  
PIPING. SEE SK-C8.

HAND RAILS

GRANITE PAVERS  
EL. 142'

STORM  
DRAIN

HAND RAILS

COORDINATE PIPE  
INSTALLATION  
WITH STORM  
DRAIN

8 GRANITE  
TREADS

COORDINATE PIPE  
INSTALLATION  
WITH ELECTRICAL  
CIRCUITS

SEE SK-M4  
FOR CONTINUATION

INSTALL PIPING THRU  
EXISTING WALL  
OPENING AND SEAL

TANK VENT  
@ GRADE

6" POOL  
SUPPLY

6" POOL  
RETURN  
SLOPE TO  
DRAIN  
TOWARD  
TANK

SHRUBBERY

EXISTING  
STORM  
DRAIN  
MANHOLE  
TOP EL.  
139.78'

POC  
INV EL.  
134.86'

COORDINATE PIPE  
INSTALLATION  
WITH STORM  
DRAIN

6" POOL  
SUPPLY

4" TANK  
VENT

UNDER GROUND  
CONC. TANK  
136.5' EL  
BOTTOM  
OF TANK

4" TANK  
DRAIN

6" PUMP  
SUCTION

EXHAUST  
PUMP ROOM  
VENT @ GRADE

2" DRAIN

POST

TOP OF STAIRS  
EL. 150.37'

1" GAS VENT PIPE

UNDER GROUND  
PUMP HOUSE FINISH  
FLOOR EL. 146.17'



DRAWING NO.  
**F844-51-02**

PLATE NO.  
**26**

SHEET NO.  
**SK- M7**

ARLINGTON NATIONAL CEMETERY  
RESTORATION OF RFK GRAVESITE

### SITE PIPING PLAN

MARK	DATE	DESCRIPTION	APPROVED

SCALE:  
AS NOTED

DRAWN BY:  
AP

CHECKED BY:  
DF


DATE:  
10/29/01



**US Army Corps  
of Engineers**  
**Baltimore District**

# GENERAL NOTES

1. PHYSICAL SIZES AND LOCATION OF EQUIPMENT, ASSOCIATED PIPING AND DUCTWORK IS APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY SIZES AND LOCATION OF EQUIPMENT AFFECTING THE WORK.
2. REMOVAL OF EQUIPMENT SHALL INCLUDE REMOVAL OF ASSOCIATED PIPING, DUCTWORK, SUPPORT, CONTROLS, INSULATION, MOTORS AND ELECTRICAL CONNECTIONS.
3. COORDINATE NEW WORK WITH OTHER TRADES AND EXISTING ITEMS TO REMAIN.
4. DRAWINGS DO NOT SHOW ALL REQUIRED FITTINGS, ELBOWS, OR OFFSETS. FINAL INSTALLATION WITH ALL FITTINGS, ELBOWS, AND OFFSETS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL COST TO GOVERNMENT.
5. CONTRACTOR SHALL COORDINATE ELECTRICAL SERVICES FOR EACH PIECE OF EQUIPMENT PRIOR TO ORDERING.
6. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS, REVIEWED SHOP DRAWINGS AND APPLICABLE CODES.
7. EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL EXERCISE EXTREME CARE DURING EXCAVATION IN ORDER NOT TO DISTURB OR DAMAGE ANY EXISTING UTILITIES.
8. EXISTING IRRIGATION SYSTEM LOCATIONS AND PIPING ARE NOT SHOWN. CONTRACTOR SHALL COORDINATE DEMOLITION WITH EXISTING IRRIGATION SYSTEM AND RESTORE ALL COMPONENTS WHICH ARE DISTURBED.
9. ENSURE THAT ANY STRUCTURES SUCH AS GRAVE SITES, TREES, EX. COMMAND POST ETC. SHALL BE LEFT UNDISTURBED AND RESTORE TO THEIR PRE-CONSTRUCTION STATUS.
10. PRIOR TO BACKFILL, CONTRACTOR MUST PROVIDE A HYDROSTATIC TEST FOR FOUNTAIN PIPING AND STORAGE TANK WITH COE REPRESENTATIVE ON SITE. SEAL ALL PIPING AND COMPLETELY FILL SYSTEM AND OBSERVE WATER LEVEL FOR 48 HOURS.
11. COMMISSIONING TEST SHALL BE PROVIDED FOR THE ENTIRE POOL FOUNTAIN SYSTEM WITH COE REPRESENTATIVE ON SITE. ALL SYSTEMS SHALL BE FULLY DEMONSTRATED TO ARLINGTON CEMETERY MAINTENANCE PERSONNEL.
12. SHOP DRAWINGS SHALL BE PROVIDED FOR ALL ITEMS LISTED IN THE SUBMITTAL REGISTER.


DRAWING NO. <b>F844-51-02</b>	ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE				SCALE: NONE	 <b>US Army Corps of Engineers</b> <b>Baltimore District</b>
PLATE NO. <b>27</b>	<b>GENERAL NOTES</b>				DRAWN BY: AP	
SHEET NO. <b>SK- M8</b>	MARK	DATE	DESCRIPTION	APPROVED	CHECKED BY: DF	
					DATE: 10/29/01	

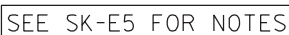
## CONTROL NOTES:


1. PROVIDE MANUAL PUSH-BUTTON START-STOP FOR EACH PUMP AS INDICATED ON ELECTRICAL SKETCHES. PROVIDE INTERLOCK FOR BOTH POOL PUMPS AND FILTER PUMPS SO ONLY ONE PUMP RUNS AT ANY TIME.
2. PROVIDE ROOM THERMOSTAT FOR EF-I AND ENERGIZE FAN @ 90 °F (ADJUSTABLE).
3. PROVIDE UNIT MOUNTED INTEGRAL THERMOSTAT (ADJUSTABLE) FOR ECH-I.
4. PROVIDE INTEGRAL THERMOSTAT FOR EWH-I AND ENERGIZE COIL @ 45 °F (ADJUSTABLE). PROVIDE INTERLOCKING FLOW SWITCH TO CONFIRM WATER FLOW BEFORE COIL IS ENERGIZED.
5. LEVEL INDICATOR SHALL SHUT OFF ALL PUMPS AND PROVIDE AUDIBLE ALARM INSIDE PUMP HOUSE IF WATER LEVEL FALLS 2 FEET (FIELD ADJUSTABLE) BELOW OVERFLOW FUNNEL.
6. UPON FALL IN TANK WATER LEVEL 8" BELOW FUNNEL, THE SOLENOID VALVE SHALL OPEN ON MAKEUP WATER LINE TO FILL TANK. SOLENOID VALVE SHALL CLOSE WHEN WATER LEVEL RISES UP TO 2" BELOW FUNNEL

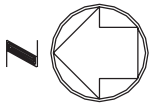
## MATERIAL NOTES:

1. ALL INTERIOR AND EXTERIOR FOUNTAIN PIPING SHALL BE PVC PLASTIC PIPE, ASTM D1785, SCHEDULE 80. FITTINGS SHALL BE SOCKET-TYPE WITH SOLVENT-WELDED JOINT. THREADED PVC ADAPTERS SHALL BE PROVIDED WHERE REQUIRED FOR VALVE CONNECTIONS.
2. ALL VALVES SHALL BE 150 PSIG, PVC WITH PTFE SEATS, EPDM SEALS, TEE HANDLES AND APPROPRIATE CONNECTION.
3. CONNECTIONS BETWEEN NEW PVC AND EXISTING STAINLESS STEEL PIPING SHALL BE MADE USING PRESSURE-TYPE MECHANICAL COUPLING SUITABLE FOR BELOW GRADE INSTALLATION.
4. TANK WATER LEVEL INDICATOR SHALL BE LEVEL COM 101 LIQUID LEVEL COMPUTER WITH DRUCK PTX 1230 SENSOR.
5. PIPE SUPPORTS SHALL BE IN ACCORDANCE WITH MSS SP-58. COMPLY WITH MSS SP-69 FOR PIPE HANGER SELECTION AND APPLICATION.
6. DUCT SUPPORTS SHALL BE IN ACCORDANCE WITH SMACNA'S HVAC DUCT CONSTRUCTION STANDARDS.
7. BACKFLOW PREVENTER SHALL BE REDUCED PRESSURE PRINCIPLE TYPE.
8. INSTALL CONCRETE WATER HOLDING TANK ON MINIMUM 12" OF GRAVEL PLACED ON UNDISTURBED SOIL.

DRAWING NO. <b>F844-51-02</b>	ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE				SCALE: NONE	 <b>US Army Corps of Engineers</b> Baltimore District
PLATE NO. <b>28</b>	<b>NOTES</b>				DRAWN BY: AP	
SHEET NO. <b>SK- M9</b>					MARK	
					DATE: 10/29/01	

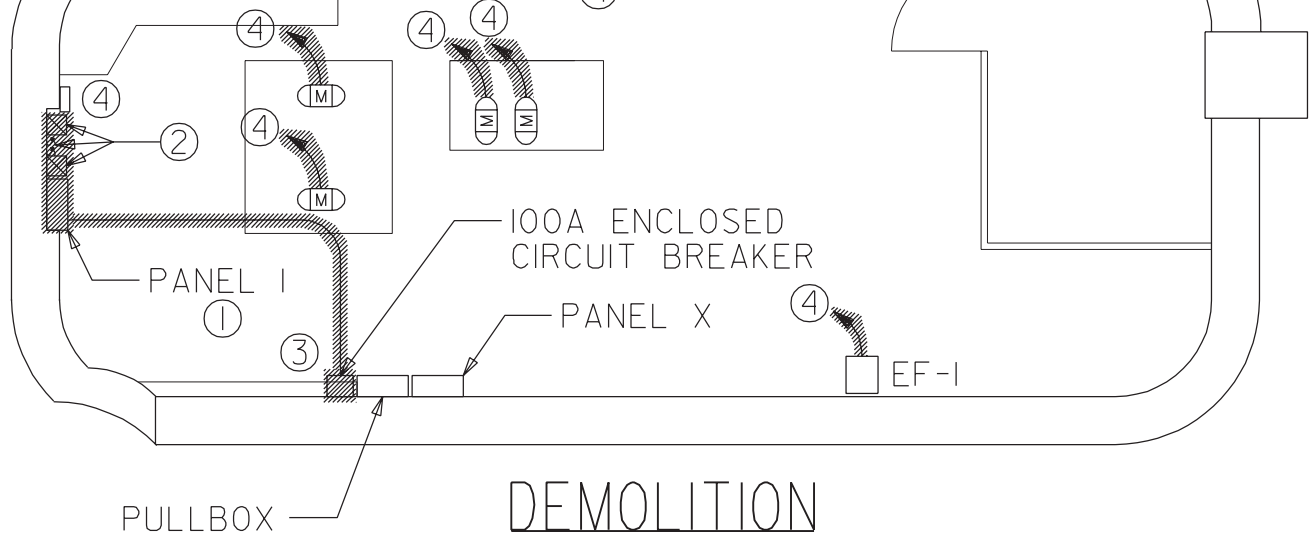


DRAWING NO. <b>F844-51-02</b>	ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE  <b>ELECTRICAL SITE PLAN</b>				SCALE: AS NOTED	 <b>US Army Corps of Engineers</b> Baltimore District
PLATE NO. <b>29</b>					DRAWN BY: DW	
SHEET NO. <b>SK- E1</b>	MARK	DATE	DESCRIPTION	APPROVED	CHECKED BY: DF	
					DATE: 10/29/01	

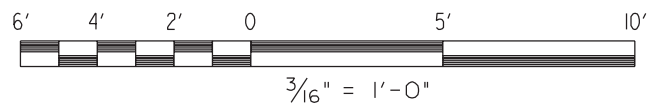
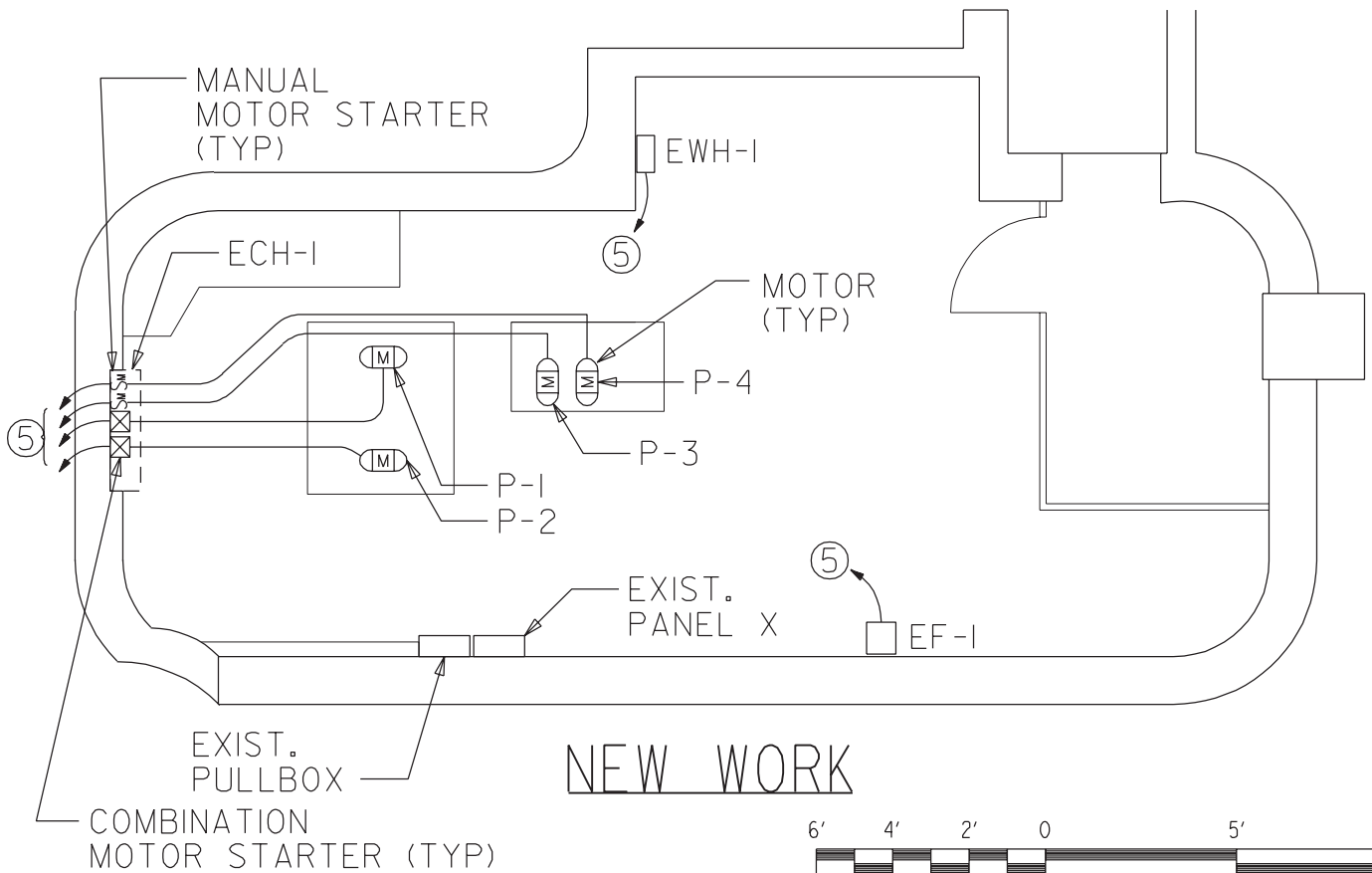



LAWN SPRINKLER  
CONTROL

WATER  
HEATER

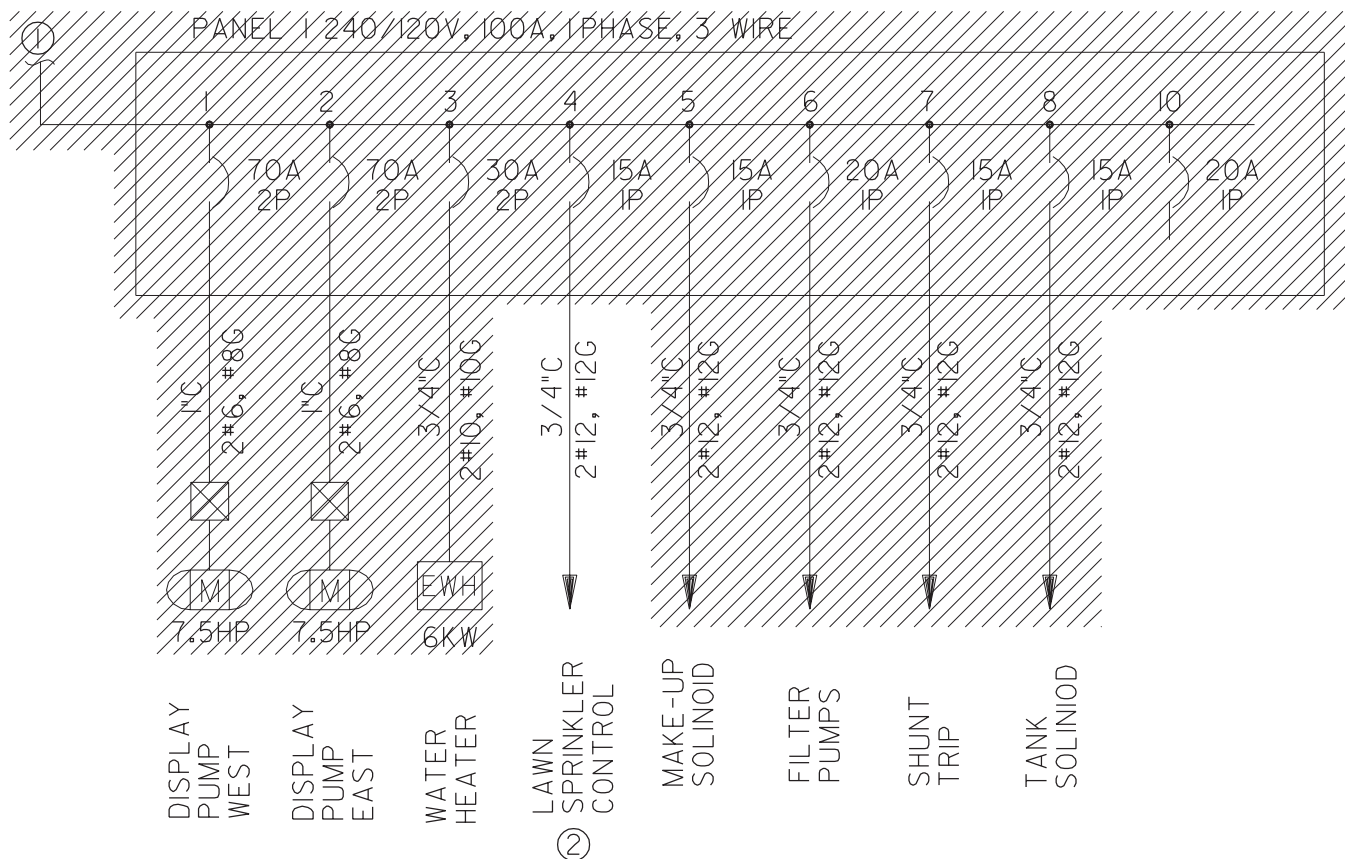


SEE SK-E5 FOR NOTES

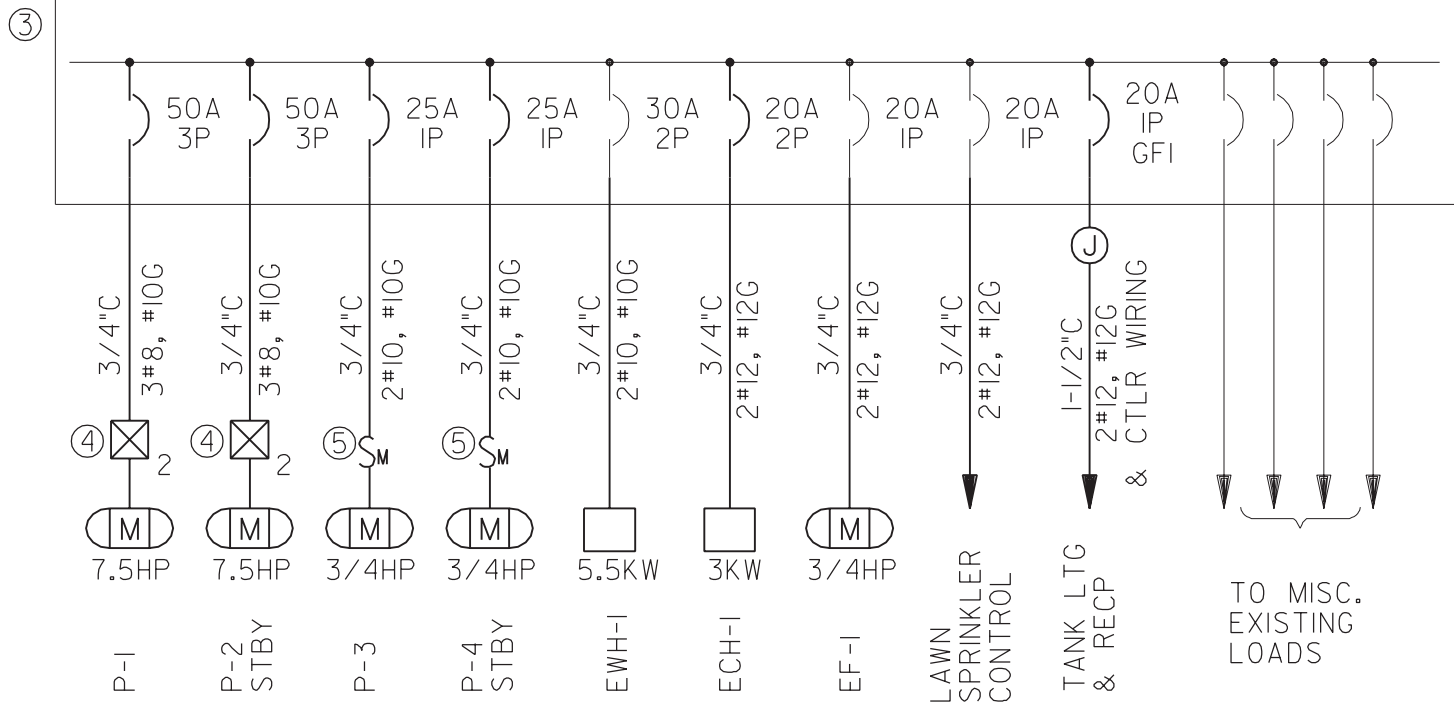


DRAWING NO. <b>F844-51-02</b>	ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE <b>PUMP HOUSE ELECTRICAL PLANS</b>				SCALE: AS NOTED	 <b>US Army Corps of Engineers</b> Baltimore District
PLATE NO. <b>30</b>					DRAWN BY: DW	
SHEET NO. <b>SK- E2</b>	MARK	DATE	DESCRIPTION	APPROVED	CHECKED BY: DF	
					DATE: 10/29/01	





EXISTING PANEL X 208Y/120V, 225A, 3 PHASE, 4 WIRE, 10kAIC  
(GE SERIES A, CAT # AQU3422AB)



DRAWING NO. <b>F844-51-02</b>	ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE <b>SINGLE LINE DIAGRAM</b>				SCALE: NONE
PLATE NO. <b>31</b>					DRAWN BY: DW
SHEET NO. <b>SK- E3</b>	MARK	DATE	DESCRIPTION	APPROVED	CHECKED BY: DF
					DATE: 10/29/01

**US Army Corps of Engineers**  
Baltimore District

EXISTING PANEL NO. XSERVICE VOLTAGE 208Y/120 VOLTSAIC RATING 10kAICBUS RATING 225 AMPSLOCATION PUMP HOUSEMOUNTING SURFACE

DRAWING NO. \_\_\_\_\_

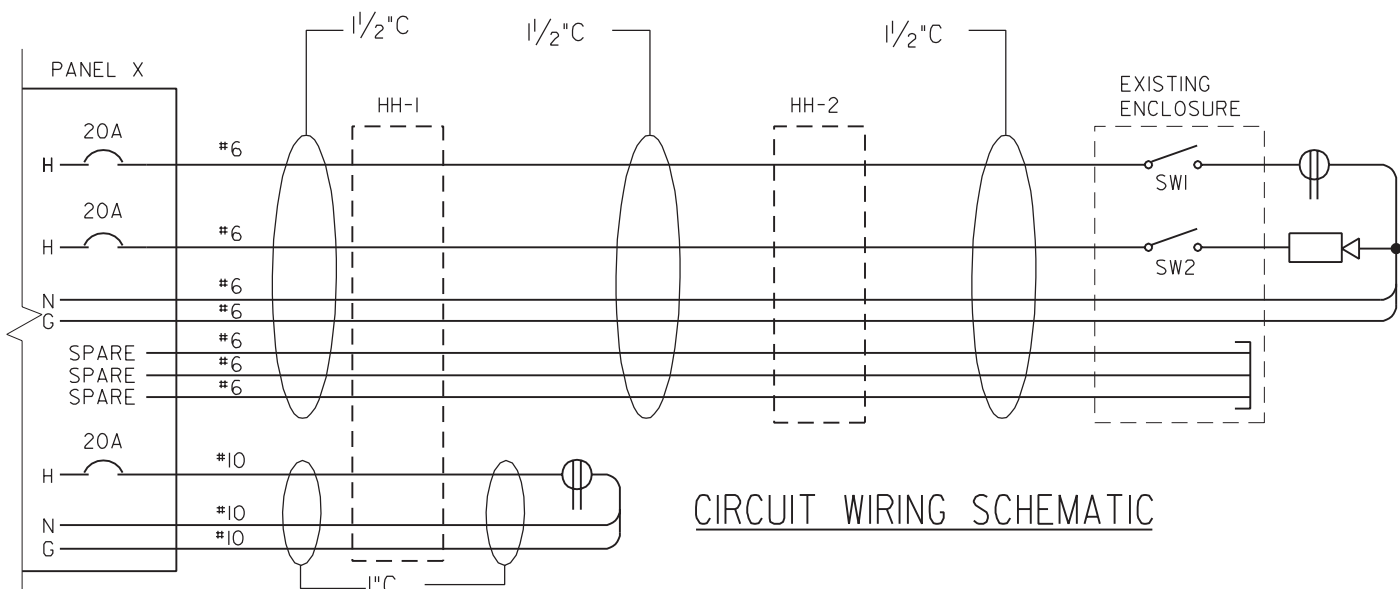
DESCRIPTION	BREAKER		VOLT AMPS			CKT NO.	BUS CONN.	CKT NO.	VOLT AMPS			BREAKER		DESCRIPTION
	POLE	AMP	A	B	C				A	B	C	POLE	AMP	
AREA 45 RECP/CAMERA	2					1	•	2	2750			2		EWB-I
SPARE		30				3	•	4		2750			30	
GRAVE SITE	2					5	•	6			240	1	20	TIME SWITCH
SPARE		30				7	•	8	125			1	20	EF-I
ETERNAL FLAME CTRLS	1	20				9	•	10				1	20	
GRAVE SITE	1	20				11	•	12				1	20	PUMP RM LIGHTS
WEATHERMATIC	1	15				13	•	14				1	15	PUMP RM EF & RECP
RECP & EMERG. LGT	1	15				15	•	16				1	15	PUMP RM RECP
AIR COMPRESSOR	1	15				17	•	18				2		PANEL I
AIR COMPRESSOR	3					19	•	20					100	
		40				21	•	22		180		1	20	RFK RECEPTACLE
SPARE	1	20				23	•	24			200	1	20	JFK CAMERA
SPARE	1	30				25	•	26	180			1	20	JFK RECEPTACLE
BLANK						27	•	28				1	30	
						29	•	30				2		
P-I	3		3038			31	•	32					30	
		50		3038		33	•	34		1500		2		ECH-I
					3038	35	•	36			1500		20	
P-2 (STBY)	3					37	•	38	1656			1	25	P-3
		50				39	•	40				1	25	P-4 (STBY)
						41	•	42				1	20	TANK LIGHT/RECEPTACLE
TOTALS														
BUS A _____ VA			MAIN (BREAKER)(LUGS)			LUGS _____			LINE AMPS. _____					
BUS B _____ VA			LOCATION (TOP)(BOTTOM)			TOP _____								
BUS C _____ VA														
TOTAL _____ VA														

\* INSTALL NEW CIRCUIT BREAKER

△ REUSE EXISTING CIRCUIT BREAKER

\*\* INSTALL NEW GFITYPE BREAKER

□ DEMOLISH CIRCUIT (BREAKER TO REMAIN)

DRAWING NO.  
**F844-51-02**PLATE NO.  
**32**SHEET NO.  
**SK- E4**ARLINGTON NATIONAL CEMETERY  
RESTORATION OF RFK GRAVESITE**PANEL SCHEDULE**

MARK	DATE	DESCRIPTION	APPROVED

SCALE:

NONE

DRAWN BY:  
DWCHECKED BY:  
DFDATE:  
10/29/01**US Army Corps  
of Engineers**  
Baltimore District

## GENERAL NOTES:


- A. ALL WORK SHALL BE IN ACCORDANCE WITH THE 1999 NATIONAL ELECTRIC CODE.
- B. ALL INTERIOR CONDUIT SHALL BE IMC, BURIED CONDUIT SHALL BE RIGID NONMETALLIC TYPE.
- C. ALL CONDUCTORS SHALL BE COPPER, 600V, WITH TYPE THWN OR THW INSULATION.
- D. INTERIOR ENCLOSURES SHALL BE NEMA 12, AND EXTERIOR ENCLOSURES SHALL BE NEMA 4, UNLESS NOTED OTHERWISE.

## SHEET SK-E1

- ① INSTALL 1-1/2" AND 1" CONDUITS BETWEEN PANEL X IN UNDERGROUND PUMP ROOM AND HAND HOLE #1 (HH-1) BEHIND GRANITE WALL. REFER TO SK-E4 FOR CONDUCTOR SIZES.
- ② PROVIDE AND INSTALL 11"x18" x18" POLYMER CONCRETE HAND HOLE WITH BOLTED COVER (QUAZITE # PGIII8DA18 OR EQUAL).
- ③ PROVIDE AND INSTALL PEDESTAL MOUNTED 20A-1P WEATHER-PROOF RECEPTACLE.
- ④ PROVIDE AND INSTALL TWO 20A, 120V, HEAVY DUTY SINGLE POLE TOGGLE SNAP SWITCHES TO REPLACE CIRCUIT BREAKERS REMOVED DURING DEMOLITION PHASE.
- ⑤ RE-CONNECT EXISTING RECEPTACLE CIRCUIT AND CAMERA CIRCUIT PREVIOUSLY DISCONNECTED DURING DEMOLITION PHASE. REFER TO SCHEMATIC ON SK-E4 FOR DIRECTION ON WIRING DEVICES.
- ⑥ INSTALL 1-1/2" CONDUIT BETWEEN PANEL X AND UNDERGROUND TANK FOR LIGHTING AND RECEPTACLE CIRCUIT. ALSO UTILIZE CONDUIT FOR CONTROL WIRING SHOWN ON MECHANICAL SKETCHES.


## SHEET SK-E2

- ① DISCONNECT AND REMOVE PANEL I. ALL CIRCUITS TO BE DEMOLISHED EXCEPT LAWN SPRINKLER CONTROL CIRCUIT WHICH SHALL BE TRANSFERRED TO EXISTING PANEL X.
- ② DISCONNECT AND REMOVE ALL PUMP CONTROLS INCLUDING ALL ASSOCIATED CONDUIT AND WIRING.
- ③ DISCONNECT AND REMOVE 100A ENCLOSED CIRCUIT BREAKER INCLUDING ALL ASSOCIATED CONDUIT AND WIRING.
- ④ DISCONNECT AND REMOVE ALL CONDUIT AND WIRING ASSOCIATED WITH MECHANICAL EQUIPMENT DESIGNATED FOR DEMOLITION. REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS. REFER TO SINGLE LINE DIAGRAM AND PANEL SCHEDULE FOR CIRCUIT INFORMATION.
- ⑤ SEE SK-E3 AND SK-E4 FOR CIRCUITING INFORMATION.

DRAWING NO. <b>F844-51-02</b>	ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE				SCALE: NONE	 <b>US Army Corps of Engineers</b> Baltimore District
PLATE NO. <b>33</b>	<b>ELECTRICAL DRAWING NOTES</b>				DRAWN BY: DW	
SHEET NO. <b>SK- E5</b>	MARK	DATE	DESCRIPTION	APPROVED	CHECKED BY: DF	
					DATE: 10/29/01	

# SHEET SK-E3

- ① DISCONNECT AND REMOVE FEEDER TO PANEL I INCLUDING 100A ENCLOSED CIRCUIT BREAKER AND ALL ASSOCIATED CONDUIT AND WIRING. CIRCUIT CONSISTS OF 1-1/4"C:3#1, #8G AND IS FED FROM EXISTING PANEL X.
- ② TRANSFER LOAD TO EXISTING PANEL X.
- ③ CIRCUIT BREAKERS ADDED TO EXISTING PANEL X SHALL MATCH EXISTING PANEL MANUFACTURER, TYPE AND AIC RATING.
- ④ PROVIDE SIZE 2 FVNR STARTER WITH START-STOP PUSHBUTTON, SQUARE D CLASS 8536 OR EQUAL.
- ⑤ PROVIDE MANUAL MOTOR STARTER, SQUARE D CLASS 2510 OR EQUAL.

DRAWING NO. <b>F844-51-02</b>	ARLINGTON NATIONAL CEMETERY RESTORATION OF RFK GRAVESITE  <b>ELECTRICAL DRAWING NOTES</b>				SCALE: NONE	 <b>US Army Corps of Engineers</b> Baltimore District
PLATE NO. <b>34</b>					DRAWN BY: DW	
SHEET NO. <b>SK- E6</b>	MARK	DATE	DESCRIPTION	APPROVED	CHECKED BY: DF	
					DATE: 10/29/01	